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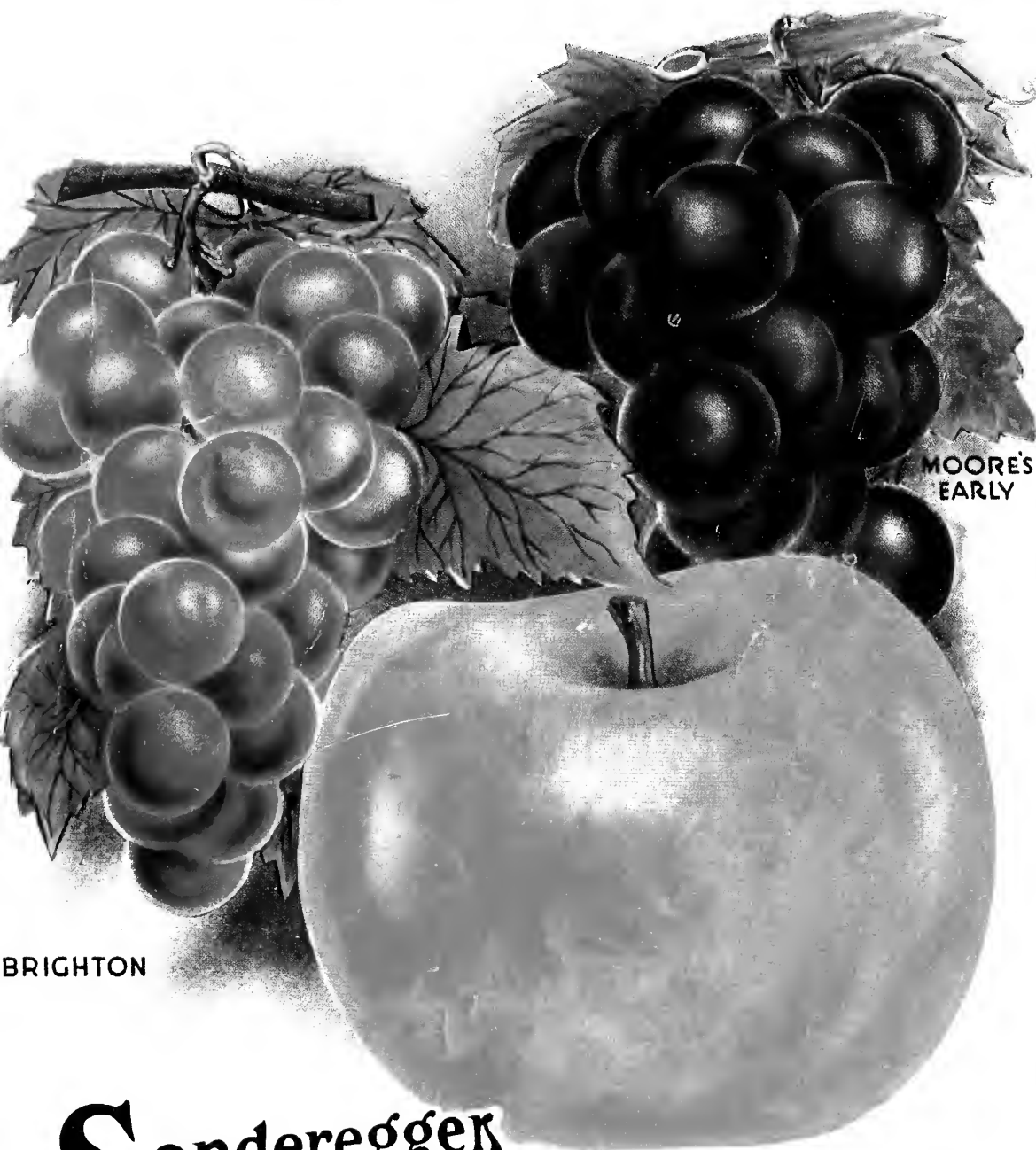
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SONDEREGGER'S

NURSERIES & SEED HOUSE

BEATRICE · NEBRASKA

ESTABLISHED 1886



BRIGHTON

MOORE'S
EARLY

Sonderegger
TREES AND SEEDS THAT GROW

GOLDEN WINESAP



Carl Sonderegger.

To My Friends and Patrons.

I have pleasure in presenting you with this my Thirty-second Annual Catalog. It has grown from an 8-page circular to this book of 128 pages.

Forty-two years ago, then a boy of 19, I came from Switzerland, my old home, and located here in Nebraska on a farm, and 10 years later started a little Nursery 10 miles from any railroad. I have been in the same business ever since, and for almost a lifetime I have been engaged in growing trees and seeds "that grow," and with the help of four of my sons who were borne here and grew up in the nursery and seed business, I still personally look after the growing and shipping of my products. You may, therefore, rest assured you get well grown, clean, upland Nebraska grown nursery stock and fresh tested seeds, when you order from me.

I was one of the first to offer trees and plants direct to my customers and without the medium of agents. Cutting out the usual 50 per cent paid to agents enabled me to make much lower prices and in the many years that I have been in the business I have saved my customers thousands and thousands of dollars. My aim has always been to furnish first-class stock at lowest possible prices by eliminating all unnecessary expense in growing and marketing same.

One of my customers writes the following about my catalog: "How much better is your catalog to buy from, than of an agent. With your descriptive price list, I sit at my leisure and convenience and select what I want, while an agent would try to get me to buy what he wants to sell and has most of, simply because it would make him more money."

I thank you kindly for the most liberal patronage of the last season, and I assure one and all that I appreciate it very much. Soliciting a continuance of same, I am

Yours for good fruit and plenty of it,

CARL SONDEREGGER.

REFERENCES. My old customers know me, I refer all those who have never dealt with me, to Union State Bank, or Beatrice National Bank of this place, also Dun & Co., and Bradstreet reports of the Sonderegger Nurseries & Seed House.

All goods which I ordered from you in the past have been more than satisfactory and I have been pleased with your kind business-like manner in handling my orders.
January 6, 1917.

I would like to say that you are the most reliable concern that I ever dealt with. I am certainly pleased with everything bought from you and shall recommend your house to all my friends.
April 24, 1917.

H. B. Howdle, Wendell, Idaho.

Mrs. H. Koch, New Castle, Pa., 14 Craig :

LAST YEAR'S BUSINESS.

The unusual dry and very cold winter last year made the filling of orders for plants in the spring 1917 very hard, and in some instances unsatisfactory to some of my customers. All over the Middle West large numbers of flowering shrubs and especially perennials, froze out and I was obliged to purchase some varieties in the East where they had had more snow. This made late shipments for us and our customers.

In the Seed Department the demand was so great, that our large supply in some items became exhausted and it seemed almost impossible to get good, first-class seed anywhere. Shipments from Europe also were delayed and arrived slow. In all it was a very unusual year, but we did everything possible to rush matters. Field seeds all winter, raised in prices. My catalog is printed in October and November and it was then impossible to foresee this raise. In all instances I stuck to my catalog prices as long as my supply lasted and only raised them after I had to go in the market myself and pay the advanced prices. Still I got some very discouraging letters from some of my customers who ordered late, while most of them appreciated the situation.

I wish to apologize to all my customers assuring them that I in no way took advantage of them, and in a large number of cases filled orders for farm seed at a financial loss to me. The situation this year seems to be much better. I am well prepared for a larger number of orders and will do everything possible to be prompt in all shipments. The railroad service is actually getting better and all Companies have promised to forward trees, plants, seeds and fertilizers promptly, so I hope that my next season's shipments will go through promptly.

WHAT I AGREE TO DO.

MY TREES ARE GUARANTEED TRUE TO NAME. I take all proper precaution to have my trees true to label, both in the propagating and packing department, knowing how provoking it is to find that trees are not true to name when they come to bearing. Should any tree, though, from any fault of ours, prove not true to label, I will, on proper proof, either replace double the number, or refund the price paid for such trees and 6 per cent compound interest. It is understood, though, that I will not be liable for a greater amount than above stated. Above guarantee to be good on all shipments of trees and plants made after December 1, 1914. This should be a strong guarantee to my customers that I am doing everything possible to send out stock true to name.

TRUE TO NAME AND WELL PACKED: I have an orchard in Pan Handle County of Texas of trees that you have sent within the last six years. I have never lost a tree yet on account of their not being in good shape when they arrive. And I believe they are all true to name. A few of them have commenced to bear. Last year one of the trees had over two bushels of nice large dark colored apples on, and the year before one half bushel of nice apples, besides a few scattering ones over the orchard.

February 26, 1917.

A. W. Wells, Eureka Springs, Ark.

PRICES. While my prices are somewhat higher than formerly, they are as low as first-class trees and seeds can be grown for. The cost of growing them is more than double of the cost of 8 to 10 years ago. Lumber for boxes, burlap, moss, twines for bales, and paper for mail packages has advanced enormously in the last two years. With the higher prices, though, I have very much improved the quality of my goods, so much so, that large numbers of my customers expressed their appreciation of this fact last spring. Never before have I received so many kind letters. For this season I will still grade my trees and plants closer, and so improve the quality. Do not forget that my prices are from 40 to 60 per cent lower than those that tree agents sell for. I have no commissions, no hotel, livery, or automobile bills to pay. My catalog is my salesman, and at a cost of about 15c for each of my customers.

QUALITY ALONG WITH LOW PRICES. The trees I secured from you last year have all done well and are in every way equal or superior to trees received from higher priced Nurseries.
January 18, 1916.

L. L. Draper, Cima, Cal.

LOW PRICES AND QUALITY COMBINED. I must tell you about our trees and grape vines we got from you. We planted the ten in a row up our yard and the first fall they were the talk of the town, such bunches of grapes and so many. Our Niagara was three years old, had six hundred bunches of grapes on and was cut back a good bit. All others were about the same. Our trees are all growing fine. **Burbank's Plum** had about a peck of plums on. All trees did good and are growing. My **Currents** are only two years old and off of six bushes we got eight quarts. We got one stalk of **Oregon Champion Gooseberries** and had four quarts off of that stalk, so you see I can say a good word for you, a good many good words, for I am one of your satisfied customers.
January 21, 1916. Mrs. M. Deets, 412 E. Ross St., Lancaster City, Pa.

Prices are given at the rate of one, ten, one hundred and one thousand. Five trees go at the rate I make per 10; 50 trees at the rate per 100; and 500 trees at the rate per 1000. This means that you can take 50 apple trees of as many varieties as you wish and figure them at the 100 rate.

DISCLAIMER ON SHIPMENTS OF SEEDS. While I exercise the greatest diligence and care to have all my seeds true to label and of best quality, I wish it understood that I give no warranty, express or implied, as to the description, quality or productiveness of any seeds I send out, and will not in any way be responsible for the crop. If the purchaser does not accept the goods on these terms they are to be at once returned. Subject to above conditions I make sales at the very moderate prices at which I sell my goods. This disclaimer is used by all reputable seed houses.

PREPAYING FREIGHT. I prepay freight (not express) to any railroad station in the United States and on all foreign shipments to the United States border, on all orders for trees and plants (not seeds) amounting to \$10.00 or more, provided the full amount of the order is in my hands before I make shipment. If you prefer to get your trees by express, I will pay as much towards the express charges as the freight would amount to. You will have less annoyance and trouble if I pay freight in advance.

On seeds in bulk, also on all farm seeds, I do not pay the freight unless by special agreement. I might mention here, though, that after this freight rates out of Beatrice and to any point in Nebraska will average about 20 per cent less than formerly, owing to a new tariff ordered by the Nebraska Railroad Commission. This should be quite an inducement to order your seeds and trees of me.

REMITTANCES should be made by Postal or Express Money Order, Bank Draft, Registered Letter, or I will take your personal check, if you prefer. Postal stamps in small amounts can be sent if necessary, 5 or 10c stamps, preferred.

CLUB ORDERS. If a number of neighbors order together, I will tie each order separate, with the purchaser's name attached, then pack all together in one box, and pay freight on same providing all orders together for trees and plants amount to \$10.00 or more. Persons sending in club orders please state what they wish for their trouble and I will gladly send 10 per cent in trees, plants or seeds, free, for their efforts in getting these orders.

CLAIMS. All claims for errors, shortage or anything else pertaining to your shipment, must be made promptly after receipt of goods. In writing to me about your shipment, please remember to give your order number and full particulars. Human help is not infallible, and shipments, as well as mail matter, will miscarry, but please understand this: The complete satisfaction of my customers is my first wish, and I gladly rectify any and all errors on my part.

RAILROADS. I can ship from Beatrice direct over the Burlington (C. B. & Q. and B. & M.), the Union Pacific, and the Rock Island Systems. Also have splendid connections over all other lines at nearby terminals and connecting points.

EXPRESS COMPANIES. I have the Adams and the American Express Companies here. By these companies I am enabled to ship goods to any Express office in the United States, as well as to Canada and foreign countries. Rates are now much lower than formerly, and packages of 40 or 50 pounds go almost as cheaply by express as by freight and, of course, reach destination very much quicker.

TREES AND PLANTS FREE FROM INSECTS. My Nurseries have been inspected by our State Entomologist, and are again inspected by an expert before shipping. You will get clean trees, free from any disease. There never has been any Yellows or San Jose Scale in our county, and I take every precaution possible to safeguard my customers. I also aim to comply with the laws regulating the traffic in trees and plants of all states, so my customers will have no trouble in getting the trees. Should any inspector, though, condemn any of my trees or plants, I will replace them, free of charge, as soon as I am notified. A copy of the State Entomologist's Certificate of Inspection is attached to every shipment I make.

QUALITY OF STOCK. My trees and plants are well and carefully raised, and grafting and budding are done by experienced workmen. I dig with the most modern tree diggers, and you get practically all the roots there are on the tree. Nothing is left undone to insure well developed, straight trees, with good, even tops and without forks. You will find my trees graded to the sizes given in this catalog, and you will get just what you ordered. Our soil is especially adapted to the raising of first-class nursery stock, and our rather severe climate insures vigorous, hardy stock, that can stand the raw, cold winters and the hot, dry summers, if necessary. I can point to good orchards from my nursery in the Dakotas, as well as in California, Missouri and New York. You make no mistake in purchasing your trees from me.

QUALITY. I received my trees, vines and plants all O. K. and want to thank you for the fine shape in which they arrived. They were the **best rooted** and most likely looking bunch of stuff I ever saw and it makes these other fruit tree agents look down their nose, when I show them what nice stuff I got from you.

April 4, 1917. A. Oswald, Brunswick, Mo.

QUALITY. I got a lot of small Apple and Peach trees of you that are doing fine out here. The Apples proved a good variety, some beauties among them.

January 31, 1917. Rev. M. A. Cook, Los Angeles, Cal.,
520 Terrill Avenue.

QUALITY. The stock I received from you was simply fine. I received fruit trees from four other Nurseries last year and yours was the best of all.

February 12, 1917. Ed. W. Fuqua, Grover, Colo.,
R. 1, Box 34.

PACKING. My packing house is 160x140 feet, giving me plenty of room. We drive direct from the Nursery into the packing house, so trees and plants are not exposed while being stored or packed. Freight orders are almost always packed in paper-lined boxes, smaller orders in bales, which are also paper-lined to keep the moisture. I ship trees with good success to South America, New Zealand, Japan, China and Alaska.

GUARANTEED DELIVERY. I guarantee the safe arrival of all my shipments at destination. I will replace free of charge, any shipment lost or spoiled in transit, no matter whether goods go by freight, express or parcel post. You are not taking any risks. Trees and plants go by fast freight, and we seldom have any trouble, although we ship thousands of boxes as far East as New York and West to the Pacific States.

PARCEL POST.

On pages 70, 71, 72 and 73, I give prices of all trees and plants that can go by parcel post, and at these prices I pay all postage. Please figure those prices when stock is wanted by parcel post, and do not order any other trees or other sizes not given on pages 70, 71, 72 and 73, to go by parcel post.

The difference in the prices by freight or express and by mail is a little more than just the postage, as it costs me a great deal more to put up trees for mail than in bales or boxes.

NEVADA CUSTOMERS. On orders for trees and plants amounting to \$10.00 or more where I pay freight charges, I make an additional charge of 10 per cent for freight charges, as freight rates to Nevada points are much higher than to any other state.

INDEX. For quick references see Index on last inside cover page.

PHOTOGRAPHS. I like to have photographs of trees, shrubs, fruits or vegetables that came from my Nursery. I offer \$5.00 in cash for the best picture; \$3.00 for the second, \$2.00 for the third best and \$1.00 each for the next five. Here is something for girls and boys with their cameras. Prizes will be paid Oct. 1, 1918.

Wünschen Sie einen deutschen Katalog, bitte zu schreiben.

CATALOGUES I PUBLISH: GENERAL NURSERY AND SEED CATALOGUE, of which this is a copy. GERMAN CATALOGUE, same as above, but in the German language. MARKET GARDENER'S WHOLESALE CATALOGUE, for gardeners and large truck farmers. FALL CATALOGUE, being an illustrated price list of Bulbs and Seeds for Fall planting.

SONDEREGGER NURSERIES & SEED HOUSE

Simply Address All Orders, Sonderegger Nurseries, Beatrice, Nebr.

Three Splendid Apples.

THE "TRUE DELICIOUS" APPLE.

Fruit is large, with the surface almost covered with a most beautiful, brilliant dark red, blending to golden yellow at the blossom end. In quality it is unsurpassed, in flavor sweet, slightly touched with acid, but only enough so as to make it all the more pleasing, with an aroma delightfully fragrant. The flesh is fine grained, crisp, juicy, melting and withal delicious. In keeping quality it ranks with the best, coming out of storage in March and April in perfect condition. Tree is very hardy. Delicious originated twenty years ago at Peru, Madison Co., Iowa, by the late Jesse Hiatt, and on his farm the original tree still flourishes, bearing annual crops of beautiful fruit. I advise all my customers in the Middle West to plant Delicious. You will never regret it. No better apple exists, except probably the Golden Winesap. Is no more an untried novelty, but has been largely planted in the Middle West and Pacific states. Commercial orchardists plant them by the thousand.

I know of some orchards of Delicious in this vicinity that have stood our Nebraska climate and are bearing well, and the apples bring fancy prices on the market.

Price of Delicious Apples:

	Per 1	Per 10	Per 100
2-3 feet, 2 year roots, 1 year top.....	\$0.12	\$1.10	\$10.50
3-4 feet, 2 year roots, 1 year top.....	.18	1.70	16.00
4-5 feet, 2 years from graft or bud, well branched.....	.35	3.00	28.00
5-6 feet, 2 years from graft or bud, well branched.....	.45	4.00	35.00

THE "SWITZERLAND" APPLE.

Price:

	Per 1	Per 10	Per 100
2-3 feet, 2 year roots, 1 year tops.....	\$0.25	\$2.20	\$18.00
3-4 feet, 2 year roots, 1 year tops.....	.30	2.70	25.00

This new Swiss apple has been brought over from Switzerland by an old German, who planted the tree below San Antonio, Texas, where the first tree fruited the second year after transplanting in 1899. Since first bearing, it matured a fine crop of apples annually. The apples are greenish, with red stripes, making a fine market variety; of a fine flavor and good keeping qualities; the tree is rather dwarf with very large green leaves, and is hardy. It will bear in the extreme South where other varieties are not a success.

I advise especially, my southern customers to try this apple. Should also do well as far north as the middle of Nebraska. Would be pleased to get a report later on from anyone who plants the Switzerland.

THE NEW MERITORIUS APPLE

GOLDEN WINESAP

Price of Golden Winesap:

	Per 1	Per 10	Per 100
2-3 feet, 1 year from bud or graft.....	\$0.40	\$3.50	\$30.00
3-4 feet, 1 year from bud or graft.....	.50	4.50	40.00
4-5 feet, 1 year from bud or graft.....	.75	6.50	60.00

Introduced by "The Fruit Grower" of St. Joseph, Mo., from whom I got my first trees. You will not find this Golden Winesap apple in any other Nursery Catalogue.

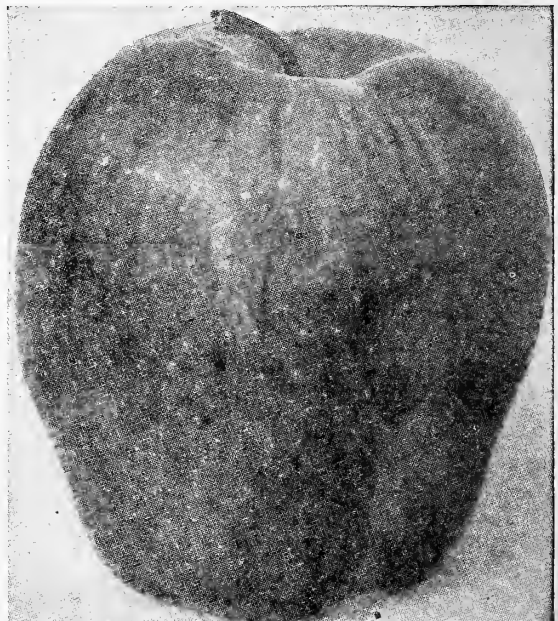
Imagine the combination — the juicy tartness of the Jonathan, the satisfying meatiness of the old Winesap, all the beauty of the Winter Banana — that deep gold color of the Grimes, with a rich, deep red blush — then add the keeping qualities of the good old money-making Ben Davis — and you have a vivid picture of the new apple — GOLDEN WINESAP.

In my Nursery I find that the tree is a very strong grower, healthy and vigorous. Personally, I prefer the Golden Winesap to Delicious in flavor, it is also a better keeper and will not get mealy like the Delicious. In my opinion it is a better apple than Delicious and will become just as popular. I prefer Golden Winesap to Jonathan. As the Golden Winesap originated in Utah, it should be hardy most anywhere. I have a few trees that went through three Nebraska winters in fine shape. It bears young and very profusely.

I am perfectly satisfied that the Golden Winesap is one of the best apples we have.

Many of the favorite apple qualities all in one. Rather large in size, from 3½ to 4 inches in diameter. The tree is a fine, healthy grower, and an early bearer. All indications point to great popularity immediately for Golden Winesap, both in the home and as a market sort. If you could just see Golden Winesap, and then taste it, you would want to plant this variety at once. We sent sample apples to a number of the best authorities in America. The verdict was unanimous in favor of Golden Winesap. Here is one extract from a letter:

Dr. J. C. Whitten: Golden Winesap apple is certainly of large size, with beautiful yellow ground work, and a bright attractive blush on the sunny side. It is a beautiful specimen to look at on a show table. Cutting it shows that it is of fine texture within, crisp, juicy, sprightly and of high flavor. Its crisp condition at this time of year (Feb. 6) indicates that it is a good keeper. It has a very small core, with no objectionable woody fiber about the core line, and consequently a more uniformly attractive flesh than the average apple. Its large size, beauty and keeping qualities leads me to believe that it is a very promising apple.—J. C. Whitten, Professor of Horticulture, University of Missouri, Columbia, Mo.



Delicious.

LANDSCAPE DEPARTMENT.



FREE LANDSCAPE SERVICE AND FREE PLANS.

A definite plan of planting your garden is necessary. Let us make your garden bloom from spring until frost. Let us show you the proper way to lay out your grounds and tell you what ornamental shrubs, herbaceous perennials, and fruits to plant, and the proper place to plant each.

WHAT A PLAN OF YOUR GROUND MEANS.

It is the only logical way of making a picture. It is a guide to uniform planting. It is as necessary as a plan for building a house. A mistake made in the beginning is not only expensive but disappointing. Take advantage of our FREE offer. Do it NOW.

HOW PLANS MAY BE HAD FREE.

Beautiful grounds result only from a pre-conceived plan of arrangement. Hence the importance of a plan. Here is OUR offer.

Plan for property containing 7,500 sq. ft. FREE with orders of \$50.00.

Plan for property containing 7,500 to 12,000 sq. ft. FREE with orders of \$100.00.

Plan for property containing 12,000 to 20,000 sq. ft. FREE with orders of \$150.00.

Plan for rose bed or perennial border FREE with orders of \$20.00.

Plans for larger properties will be made at a nominal cost. Write to us describing your estate and get our estimates.

If you wish a blue-print of your grounds answer the questions below and make a rough drawing on page 4, showing the grounds, house, walks, roads, etc., giving the distances between objects and from boundary lines. Enclose with these directions and instructions \$5.00 to defray in part the landscape architect expenses for material, which amount will be credited on your bill for plants.

We wish to impress our customers that this is not a scheme by which we receive any pay for the plans but it is done only as a safe guard against some curious persons that would ask us for plans with no intention of making use of them.

As soon as we receive your instructions and direction we will draw a planting plan of your grounds and furnish you with the exact cost of the material keeping within your set price. The blue-prints which we will send will show you the exact location of every shrub, tree, and plant, and can be easily followed out by anyone. As soon as you have approved the planting list send us the cost of the plants less the \$5.00 deposit and we will send the plans with complete instructions for planting and the shrubs, trees, and plants for which your order calls.

PLANS FOR LARGE GROUNDS. We design large grounds such as parks, school grounds, hotel grounds, and estates at nominal cost. Write us for our terms. Where the work warrants we will be pleased to send our representative to call upon you.

PLEASE ANSWER IN DETAIL ALL QUESTIONS ON THIS SHEET.

SONDEREGGER NURSERIES, BEATRICE, NEBRASKA.

Gentlemen: — I take pleasure in answering the questions and in making a rough sketch on the other side of this page and will be pleased to accept your offer and comply with your terms for receiving a plan of my grounds.

Very truly yours,

Name Town State

Do you prefer natural or formal planting..... Do you want any strawberry, asparagus plants or

Do you want us to use our own judgement for laying small fruit.....

out your grounds Name any kind of ornamental trees you prefer.....

Do you want us to locate the walks and driveway

.....

Do you want shrubs or hardy perennials..... Name any fruit trees you want.....

Do you want lots of shrubbery..... Do you want any Evergreen trees.....

Do you want a rose bed..... Do you want any street trees.....

Perennial bed..... Do you want a vegetable garden.....

..... When do you wish to begin planting.....

Do you want a hedge (if so where preferred)..... How much do you wish to spend for plants \$.....

Do you want an arbor or a pergola.....

NOTE.— Send plans in early so that our landscape department can give more attention to the work before the rush comes in the spring. Don't forget to make a rough drawing on the other side of this page.

This last question is very important and should be answered in every case.

USE THIS SHEET TO MAKE YOUR SKETCH WHEN SENDING FOR PLANS.

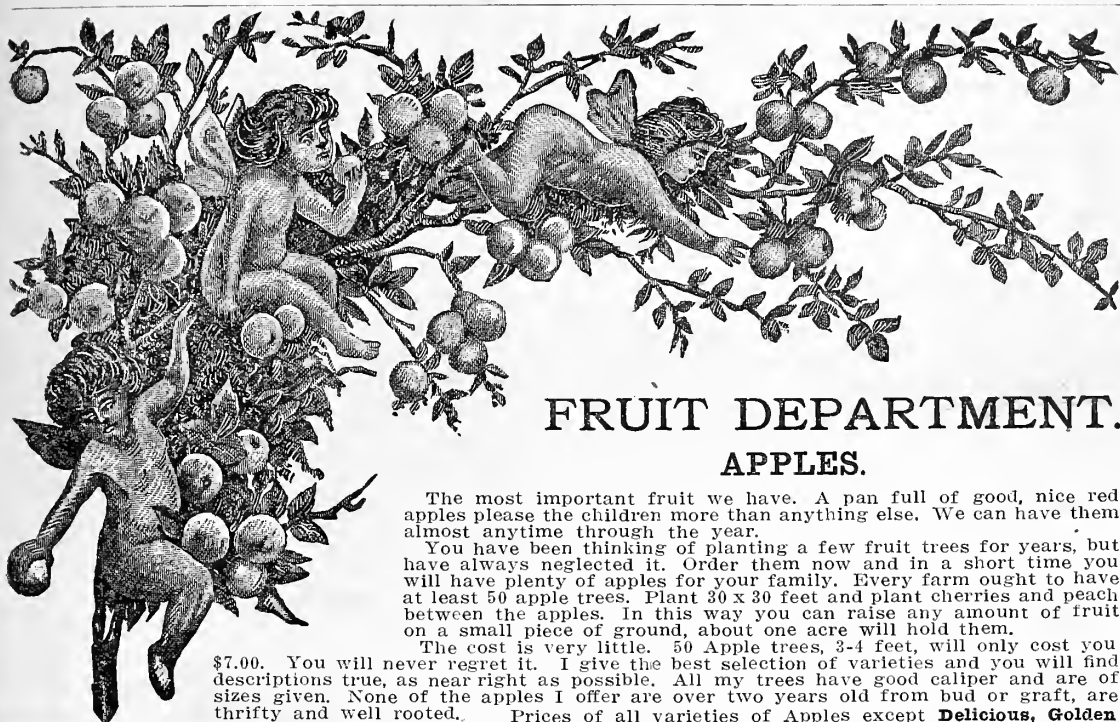
HOW TO MAKE DRAWING. Draw shape of lot and give the length and width in feet. Locate the house, garage, walks and road if any, and give the distances from the boundaries of the lot. Give the size of all buildings in feet, and the length and the width of all walks and roads. Locate any trees. Tell what direction the house faces, east, west, north or south. Locate entrances to lot and buildings and show any objectionable views, terraces or grades.

(Unless we have this data it is impossible for us to prepare a good plan. Any picture showing house or grounds is valuable to enclose with drawing.)

Please do not overlook answering questions on the other side of this sheet.

A large rectangular grid of squares, intended for sketching a site plan. The grid is composed of 20 columns and 40 rows of squares, totaling 800 squares. The lines are thin and black, forming a uniform grid across the central portion of the page.

Each Square indicates 5 feet.



FRUIT DEPARTMENT.

APPLES.

The most important fruit we have. A pan full of good, nice red apples please the children more than anything else. We can have them almost anytime through the year.

You have been thinking of planting a few fruit trees for years, but have always neglected it. Order them now and in a short time you will have plenty of apples for your family. Every farm ought to have at least 50 apple trees. Plant 30 x 30 feet and plant cherries and peach between the apples. In this way you can raise any amount of fruit on a small piece of ground, about one acre will hold them.

The cost is very little. 50 Apple trees, 3-4 feet, will only cost you \$7.00. You will never regret it. I give the best selection of varieties and you will find descriptions true, as near right as possible. All my trees have good caliper and are of sizes given. None of the apples I offer are over two years old from bud or graft, are thrifty and well rooted. Prices of all varieties of Apples except

Winesap and Switzerland.

2-3 feet, mostly 2 year roots, 1 year tops.....

3-4 feet, 2 years old, partly branched.....

4-5 feet, 2 years old, well branched.....

5-6 feet, 2 years old, fine trees.....

ARKANSAS (Arkansas Black). In the East also called **Paragon**. Large, rich dark red, fine flavor, best quality. Good keeper. Regular market variety.

BALDWIN. Large, bright red; crisp, juicy, rich. Very productive. Good Eastern variety; not planted much in the West.

BEN DAVIS. The old stand-by, and while a few years ago there seemed to be hardly any demand for this variety any more; last year we sold a large number of them. A good apple for Nebraska and keeps well over winter. I still advise planting Ben Davis in Nebraska.

BLACK BEN DAVIS. Claimed to be a great improvement of the old Ben Davis. I find it of better color, but not much better in quality.

BANANA. The tree is hardy and succeeds well in quite cold climates, having been originated in Michigan. It is wonderfully productive and a young bearer. The fruit has a rich flavor; spicy and aromatic. Flesh yellow, firm and juicy. Color a golden yellow; very attractive and a good keeper. Tree is a very strong grower, and will grow to be of immense size, suitable for lawn or shade tree; the leaves being nearly double the size of other varieties. A fine apple for the middle West.

FRANZ. A new apple from Germany. The tree is entirely hardy, has stood the test of the severe winters of 1898 and 1899 in Minnesota without being damaged in any way whatever, and has borne a crop of apples every year. It is a strong, vigorous grower, of symmetrical form, has smooth bark which never cracks, or is injured in any way by frost or heat. The apples hang tightly on the tree, and it is seldom that one is blown off by the wind. The trees commenced to bear three years after transplanting, and have since borne a crop every year. When six years old, most of them bore over a bushel of sound apples. The fruit is medium to large in size, greenish with red, with white and tender meat, very thick skin, and ripens in Minnesota from the 20th to the end of September. It is a long keeper. Franz apple can only be bought of me.

GRIMES GOLDEN. Another fine, golden yellow apple, when fully ripe. Flavor is similar to a pear. Ripens a little too early for a winter apple, but like the Jonathan will keep until Christmas in an ordinary cellar. A good ripe Grimes is hard to beat. Do not plant much north of here.

McMAHON. Origin, Wisconsin. Also known as McMahon's White. Fruit large to very large; color greenish pale yellow to nearly white, often with suffused pale blush on sunny side; flesh pale yellow with good acid flavor; skin very tender and does not stand tight packing; crisp and a good table apple in season; splendid cooker, as it has the proper firmness. Tree a strong grower and moderately productive. Has been grown extensively for several decades. Said to be a seedling of Alexander.

	Per 1	Per 10	Per 100	Per 1000
Delicious	\$0.10	\$0.90	\$8.50	Write
Golden	.17	1.60	14.00	for
	.30	2.70	24.00	special
	.40	3.70	34.00	prices.

HIBERNAL. Origin, Russia. This variety represents what is probably the earliest type of the Russian race; adopted by many prominent horticulturists as a standard of hardiness. Tree sturdy, vigorous, very spreading and productive. Fruit large to very large, irregular; greenish yellow with dull bronze red on sunny side; flesh acid, juicy, very good for cooking. Succeeds in the most exposed locations and is popular in the Northwest on this account.

GANO. Improved Ben Davis. More even red, better flavor, hardy. Good for market. Some of my customers, though, still prefer the old Ben Davis.

INGRAM. Medium size, yellow covered with red. Very similar to the old Janet or Genaton, but much better. Fruit does not rot on the tree like the Janet. A large orchardist in Kansas claims that the Ingram is his most profitable variety.

JANET. (Genaton.) Medium size, juicy, fine flavor after the holidays, a very good keeper; tree blooms 2 weeks later than other varieties. I prefer the Ingram, though, which is very much like the Janet, without its bad qualities. The Janet some years rotting badly on the tree.

JONATHAN. Still one of the very best apples we have. I am not willing to admit that it is inferior to the celebrated Delicious, in regard to flavor, quality, and richness of color (dark red), and productive. The only weak point, being the keeping qualities, — it will not keep much longer than the holidays without cold storage. I recommend the Jonathan anywhere south of the middle of Nebraska.

KING DAVID. A very productive variety that brings high prices in the markets; a good shipper, western Orchardists often shipping them to Australia. Fruit of medium size, ripens with Jonathan. Is uniform in shape, of a dark red color, darker than the Jonathan, but not quite as good quality as Jonathan. Tree hardy, strong grower, and comes to bearing very young. It blooms late and so often escapes spring frosts. Better colored and more productive than Jonathan. Should be extensively planted.

MAMMOTH BLACK TWIG. One of the very best for the middle West. Fruit large, dark red, firm, sub-acid and juicy. I find that this apple keeps as long as any apple in a common cellar. In fact you can hardly eat it before January, when it begins to get good. A profitable variety in southeastern Nebraska.

MISSOURI PIPPIN. While this apple is not of the best quality it is a good constant bearer and is one of the few that really does well in western Nebraska, western Kansas, and eastern Colorado, where I recommend planting it. Beats no apples all to pieces.

McINTOSH RED. I have never fruited this apple myself, but according to my customers in Montana, Wyoming and Idaho, it does well there and is also largely planted in the eastern states. Apple large, red all over; flesh white, tender, sub-acid and mild. Good keeper.

APPLES.—Continued.

WINTER VARIETIES.—See prices page 5.

NORTHERN SPY. Large, bright red and very hardy. Comes into bearing very late. Not a success in Kansas and Nebraska, but largely planted in Michigan and the East.

NORTHWESTERN GREENING. Extremely hardy and vigorous grower. Fruit large, greenish yellow when ripe. Good quality and a long keeper. Especially recommended for Northern states.

ROME BEAUTY. Not hardy in Nebraska, but a fine apple for the Southwest and Pacific countries. Fruit large, yellow with red. Good quality, a long keeper and largely planted for commercial orchards.

SPITZENBERG. (Esopus.) Large, oblong, nearly covered with red. An old variety, good bearer, very hardy and has long been a standard winter apple. In the Rocky Mt. Districts and New Mexico this tree is a success, while I cannot specially recommend it for Nebraska or Kansas.

STAYMAN'S WINESAP. An improved Winesap. Fruit red, juicy, sub-acid, aromatic, a long keeper. Apple is larger than the old Winesap, but I do not think that it is as productive, at least this is the report I get from Washington where the Stayman has been planted extensively. Probably not quite as productive, as the old Winesap.

WINESAP. Like the Ben Davis, a very old variety and still planted extensively. Fruit bright red, sub-acid and especially a long keeper. There are better apples but few better bearers, and its attractive color sells it well. It is apt to overbear and then the apples are somewhat small. I still recommend this apple for a home orchard, especially for the middle west.

WHITE WINTER PEARMAN. Pale yellow, juicy, tender and of best flavor. Largely planted on the Pacific Coast.

YORK IMPERIAL. I cannot understand why so few York Imperial are planted. It is a fine, large red apple, tender and juicy, and is perfectly hardy in Nebraska and bears well here. Try them.

YELLOW BELLEFLOWER. Large, oblong; yellow, sometimes a blush in the sun; flesh firm, crisp, juicy, sub-acid; one of the standard varieties in California and should be extensively planted; tree a good grower, very productive; largely planted in the East.

FALL VARIETIES.—See prices page 5.

WEALTHY. This apple does well almost anywhere, and is especially adapted for Minnesota and the Dakotas, as it is perfectly hardy. In those states it can almost be called a winter apple, keeping well there till Christmas. It bears well here in Nebraska. A good eating and cooking apple, and very good for drying. Fruit is large, mostly covered with red; fine grained, juicy, but a little sour. I have seen Wealthy covered with fine apples in eastern Montana.

BENONI. This excellent apple originated in Massachusetts. Tree is vigorous, upright, of spreading habit, hardy and productive. Fruit medium size, roundish, oblate, conical. Color pale yellow, juicy, tender, sub-acid. Core small. Ripens in August.

FAMEUSE (Snow). Fine dessert apple. Deep crimson, snowy white flesh. Hardy, but does not bear as young as some other varieties.

MAIDEN BLUSH. Good size, fine flavor, beautifully blushed, good bearer, a fine apple for home and market. September.

RAMSDALL SWEET. Rather large, dark red, productive, best sweet fall apple. September.

WOLF RIVER. A Wisconsin apple, handsome, light yellow and red, of only fair quality but very large. If you wish to get the premium at the Fair for the largest apple, the Wolf River will get it for you.

SUMMER VARIETIES.—See prices page 5.

All early varieties bear well, but apples do not keep long. It is therefore not best to plant too many of these early trees.

DUCHESS OF OLDENBURG. From Russia, extremely hardy, medium size, yellow with red stripes. Somewhat sour, fine for cooking. A couple of these trees should be in every orchard. Will not keep long when fully ripe.

EARLY HARVEST. Fruit medium size, greenish, yellow, tender and juicy. First to ripen in July.

RED JUNE. A little later than Early Harvest. Medium size, yellow and red stripes, very good quality, good bearer. The best early apple. July to August.

RED ASTRACHAN. Fruit large, beautiful, deep crimson, crisp, juicy and of good quality. A hardy Russian variety. Splendid market sort. August.

YELLOW TRANSPARENT. One of the earliest apples. Fruit is medium large, smooth, transparent. Skin is clear white, turning pale yellow when ripe. Flesh white, fine grained, aromatic, and of splendid quality. Tree is vigorous, good bearer. Two-year-old trees frequently produce fruit. Does well most anywhere. Is perfectly hardy. I have seen young trees full of fruit near Billings, Montana. It is one of the best paying trees in that country.

CRAB APPLES.

Perfectly hardy everywhere. Good annual bearers. Excellent for cider, preserves and canning.

Price of all varieties of Crab: Same as Apples, see page 5.

WHITNEY. A good sized Crab, with smooth, glossy, green skin, striped with red. Flesh firm, juicy and pleasant flavor. A good eating apple, raw or cooked. I like it fully as well as any of the early varieties of apples and as it is very hardy, — doing well yet in the Dakotas, a few trees should be in every orchard. Ripens with us in August and keeps better for short time than Early Harvest or Red June, also stands shipping much better.

HYSLOP. A very pretty little crab of deep red color, with a blue blush, similar to a plum. Very fine quality for preserving, has long stems, bears immense crops. Is not hardy, though, much north of here. I have seen it freeze back badly, even here in southern Nebraska.

GENERAL GRANT. Fruit large, round; cream yellow ground nearly covered with red stripes; flesh white, tender, mild sub-acid. A good market sort and in great demand for culinary purposes. Tree a vigorous, upright grower and good bearer. Ripens in Oct.

FLORENCE. Originated in Minnesota. The hardiest of all. An early and profuse bearer. When in full bloom or fruit one of the prettiest ornamental trees grown. Fruit larger and better than Transcendent. Ripens in September.

TRANSCENDENT. Fruit medium, brownish red and handsome. Excellent for jelly and preserves. Good grower and immense bearer. September.

YELLOW SIBERIAN. Fruit is very small; comes in bunches and is very acid. Tree vigorous, hardy and very good bearer.



4-year-old Yellow Siberian Crab, grown without irrigation, tree was 3-4 feet high when set out.

DWARF APPLES.

These are budded on Doucine stock, which dwarfs the trees, same as Pear on Quince stock. They are perfectly hardy south of Nebraska and can be raised successfully north of here, if the ground around the trees is covered with straw or a few shovelful of dirt over winter. Dwarf apples bear fruit when two or three years old. They are especially adapted to plant in small yards or town lots, where the space is limited, as they can be planted 10x10 feet. They also can be grown in tubs or barrels and will bear in a short time.

I give here varieties of Dwarf apples which I find do best, as not all varieties do well on Doucine stock. Jonathan, Yellow Transparent, Golden Winesap, Delicious and Switzerland.

Price of Dwarf Apples, all varieties except Golden Winesap.			
	Per 1	Per 10	Per 100
2-3 feet, 1 year from bud.....	\$0.25	\$2.30	\$20.00
3-4 feet, 2 years from bud.....	.35	3.30	30.00
Price of Golden Winesap:			
	Per 1	Per 10	Per 100
2-3 feet, mostly whips.....	\$0.50	\$4.50	\$40.00
3-4 feet, some branched.....	.60	5.50	50.00

PEARS.—STANDARD.

One of the very best fruits we have, and for which we always find a good market with high prices. Years ago it was generally believed that pear could not be grown in Nebraska. The trouble was, we planted the wrong varieties and in the wrong way. The tendency of the pear root is to grow straight down, therefore, the holes should be dug deep, or better yet, shoot them with dynamite. If you will do this and plant the varieties I find are the best for the middle west, you will have no trouble in raising pear and in some localities they even do better than apple. Spraying with Bordeaux Mixture will prevent pear blight. It is well to shorten the long shoots about half, in August. Pear, I find will grow on most any soil. Best varieties for the middle west are: Duchess, Clapp's Favorite, Seckel and Keiffer. Do not forget to order some pear. They will pay well.

Price of all kinds of Pear except Rossney:

	Per 1	Per 10	Per 100
2-3 ft., mostly 1 year from bud.....	\$0.20	\$1.80	\$16.00
3-4 ft., mostly 2 year from bud, branched.....	.25	2.30	20.00
4-5 ft., 2 year from bud, well branched.....	.30	2.80	25.00
5-6 ft., 2 year, well branched, $\frac{1}{4}$ in caliper....	.40	3.70	35.00

Per 1000, write for special prices.

✓ **ANJOU.** (Beurre d'Anjou.) A large greenish pear, shaded with russet crimson. The fruit is highly flavored; rich, vinous, and of excellent quality. Very productive. I have a 2-year-old dwarf Anjou in my garden, which bore many full sized fruits last summer. Keeps well until the holidays, and always brings a good price. I recommend it for Nebraska and the middle West. Ripens October.

✓ **BARTLETT.** Fruit large; skin very thin, clear lemon yellow, with soft blush on sunny side. Flesh white, buttery, very juicy, and highly flavored. The best summer pear in existence. Tree a fine grower and young bearer. Must be sprayed against pear blight. Probably more Bartlett have been planted, especially in the Pacific states than any other variety. I do not recommend the Bartlett for Nebraska and Kansas.

✓ **CLAPP'S FAVORITE.** Tree a vigorous, upright, spreading grower, very hardy and productive. Fruit large, pale yellow, flesh fine grained, juicy, melting and sweet. I find this to be the best early pear for the middle west, much better than Bartlett, — seems to stand our climate better. Ripens end of August.

✓ **DUCHESS.** Very large, fine quality and juicy, and keeps well into winter. Probably the very best pear for Nebraska, and almost blight proof. A farmer near Beatrice raised over 100 bu. and sold them in less than 3 days at a good price. Ripens in October. None better as a Dwarf.

✓ **SECKEL (Sugar Pear).** Small but of highest flavor. Tree slow grower, but healthy, hardy and very productive. This is my favorite pear and it does well in my garden. Should be sprayed during summer; suffers more with blight than Duchess.

✓ **FLEMISH BEAUTY.** Large, handsome, sweet and melting, pale yellow, covered with russet. Hardy, vigorous and good bearer. Ripens in September.

✓ **KEIFFER.** Profitable market variety. Very large, of fine appearance. Good for canning. Quality fair to good. Does well in Kansas, Oklahoma and Texas. Ripens in October.

✓ **KOONCE.** Medium size, yellow with carmine cheek, sweet and highly flavored. Tree vigorous, resists blight, a good bearer. Hardy. Ripens July to August.

✓ **ROSSNEY PEAR.** Ripens at a time when good pears are in demand; two weeks after Bartlett. Possesses a delicious flavor, tender, sweet, juicy, and is very large and handsome. Creamy skin with crimson blush. Tree is a vigorous grower (equal to Keiffer), hardy both in wood and fruit bud and very productive. Combines excellent quality with large size, fine form, and superior shipping qualities. Originated near Salt Lake, Utah. I recommend this pear very highly.

Price of Rossney Pear:

	Per 1	Per 10	Per 100
3-4 feet, budded, well branched.....	\$0.35	\$3.20	\$27.00
4-5 feet, budded, well branched.....	.40	3.80	33.00
5-6 feet, budded, well branched.....	.45	4.30	38.00

DWARF PEARS.

Price of all varieties of Dwarf Pear:	Per 1	Per 10	P. 100
2-3 ft., mostly 1 yr. from bud, whips.....	\$0.20	\$1.80	\$16.00
3-4 ft., mostly 2 yr. from bud, branched ..	.26	2.40	20.00
4-5 ft., 2 yrs. from bud, well branched..	.30	2.80	25.00

Dwarf pear are budded on Quince stock. They never grow large and therefore can be planted 10x10 or 12x12 feet. This makes them especially suitable for gardens and town lots. There are empty places in most back yards that can be profitably planted to Dwarf pear or Dwarf apple; and then you do not have to wait 5 to 7 years to get fruit. Dwarf trees bear very young, generally the 2nd or 3rd year after transplanting. I grow them in my garden with good success and raise vegetables between the rows.

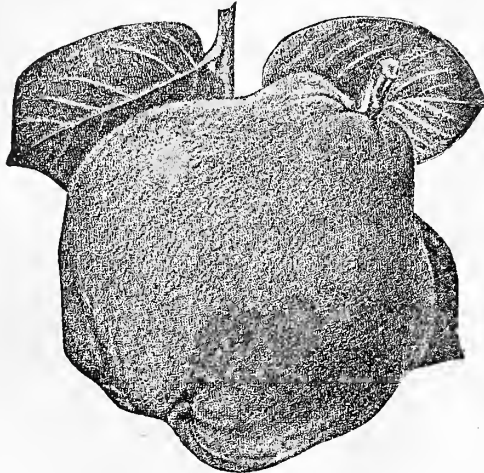
North of here I recommend some protection to the roots, either by spreading manure around the tree, say 6 inches deep, or by drawing the dirt around the tree to the same depth. Quince roots are not as hardy as pear roots. With a little extra care they will bring you good crops most every year. Try them. I find the following varieties best suited on Quince, description of which please find under "Standard Pear." **Duchess, Keiffer, Clapp's Favorite, Seckel, Anjou, Bartlett.**



3-year-old Dwarf Duchess Pear, grown by Mrs. Theresia Stalder, F. H. Idaho, trees purchased of Sonderegger's Nursery.



Branch from a 4-year-old Dwarf Seckel Pear, tree grown in my garden.



Quince.

QUINCES.

In Quinces we have a very desirable fruit. It is used a great deal for preserves and canning, especially with other fruits. A small part of quince will impart the quince flavor to three or four times as many apples. Quince syrup is very delicious, even excelling the finest maple syrup. The tree is easily transplanted and does well on any good soil on which corn grows well.

I must confess that I have never succeeded in raising Quince here. While they will grow well for a year or two, a hard Nebraska winter generally gets them. In a well protected location and special care they might be grown, but I cannot recommend them to my Nebraska customers. Should do well, though, as far north as the middle of Kansas and fine Quinces are raised in most of the Eastern states.

Price of Quinces:	Per 1	Per 10	Per 100
2-3 feet, few branched, budded.....	\$0.35	\$3.00	\$25.00
3-4 feet, branched, budded.....	.40	3.50	32.00
4-5 feet, branched, budded.....	.50	4.50	38.00

CHAMPION. Fruit large, oval, rich and aromatic, fine quality and long keeper.

✓ **ORANGE.** Very large, yellow, rich, aromatic, excellent flavor, long keeper. Always sells well.

✓ **MEECH PROLIFIC.** Medium size, orange yellow, handsome, fragrant, good and young bearer.

APRICOTS.

A most delicious fruit of the plum species. Is of a distinct flavor and one of our best and most profitable market fruits. The tree bears very young and most profusely. Ripening as it does between the cherries and peaches, the apricot is a most welcome fruit. In very sunny localities it is apt to bloom too early in the spring and get caught by the frost. The tree is slender in form, has beautiful dark green foliage, pretty pink blossoms, and will give very satisfactory results as an ornamental tree in any garden or house lot. To avoid being caught by late spring frosts, spread long, strawy manure about one foot thick around the tree in the winter after the ground is frozen hard and deep. The manure will keep the frost in the ground two weeks longer in the spring, and the tree will not bloom so early. Russian varieties have stood 30 degrees below zero without injury and are therefore very desirable for the Northwestern states and exposed localities.

No use planting American varieties in Nebraska or Kansas, Russian only.

Price of all varieties of Apricots:

Price of all varieties of Apricots:	Per 1	Per 10	Per 100
2-3 feet, budded, mostly branched.....	\$0.23	\$2.10	\$19.00
3-4 feet, budded, branched.....	.28	2.60	24.00
4-5 feet, budded, branched.....	.35	3.30	28.00
5-6 feet, budded, branched.....	.45	4.20	35.00

RUSSIAN VARIETIES.

ALEXANDER. Good size, oblong, yellow with red, sweet and delicate. Tree very hardy. Middle of July.

BUDD. Large, yellow, with red cheek, rich and slightly acid. Tree hardy and very prolific. July 1st to 10th.

SUPERB. A new variety from Kansas, very hardy, of the Russian type. The best flavored, most productive apricot yet produced. Medium size, light salmon color and excellent quality.

AMERICAN VARIETIES.

EARLY GOLDEN. Fruit small, pale orange yellow, juicy and sweet. Tree hardy and productive. The best of the small fruited sorts. Ripens about July 1st.

ROYAL. French origin. Medium size, dull yellow with red cheek. Flesh pale orange, with rich vinous flavor. Not hardy in Nebraska. June.

MOORPARK. Very large, yellowish green with red on sunny side. Flesh bright orange on freestone. Fine for canning and drying. Not hardy in Nebraska. Largely planted on Pacific coast. Late June.

RUSSIAN APRICOT SEEDLINGS.

These are grown from the seed of the Russian varieties of Apricots. You will find them very hardy, bearing fine flavored fruit, although not large, as far north as the middle of South Dakota. Will make a fine looking ornamental tree in any garden or grounds, grows erect, very dense and has pretty, well shaped, dark glossy leaves with pink blossoms. There are few better trees for a windbreak and in this case should be planted about 8 feet apart in the row.

Price of Apricot Seedlings:	1½-2 feet, 6c each; 10 for 50c; 100 for \$4.00
	2-3 feet, 9c each; 10 for 75c; 100 for 6.00
	3-4 feet, 14c each; 10 for \$1.10; 100 for 9.00
	4-5 feet, 18c each; 10 for 1.60; 100 for 12.00

Panama, Iowa, March 19, 1917.

I do wish you could see our orchard I set out 8 years ago. The trees I got from your Nursery they are in full bearing. The Cherry and Apple trees are not so very large but are bearing now for some years and the finest of fruit. If I had a picture of one of our Apple trees I know I would get the prize as it was a small tree, just loaded with apples and holding its limbs up.

Mrs. Math. Nollen.



Clapp's Favorite, does well in Nebraska. (See page 7.)

CHERRIES.

A good healthy fruit, liked by everybody. They will thrive most anywhere, except on very wet land. A side hill even if very steep will do, and on such the cherry will probably bring better returns than any other crop. I prefer upland to bottoms.

There is always a good market for Cherry, never have I seen any overproduction and prices are as a rule very profitable for the grower. Seldom the cherry has a crop failure,—it is a sure bearer 2 or 3 years after transplanting. Plant a few Russian Mulberry near your cherry trees and you will have no trouble by birds, picking your cherries,—they prefer the Mulberries. Sour cherries are perfectly hardy in the middle west, while for sweet cherries our climate does not seem to be favorable. I have never seen a good crop of sweet or heart cherries in Nebraska, while they bear abundantly in the Eastern and the Pacific states, also New Mexico and Arizona. The cherry makes a good filler in an apple orchard planted between the apple trees, thus producing an income until the apples begin to get large and bear well.

All our cherries are budded on Mahaleb stock, which does not sprout or rootsucker. Some of our customers seem to have trouble to get cherry trees to grow. To those I recommend 1 year old trees. They will transplant more readily than older trees. I have an exceptionally nice block of 1 year cherries this year.

Price of all cherries except Sonderegger's Sweet:

	Per 1	Per 10	Per 100
2-3 feet, 1 year from bud.....	\$0.20	\$1.90	\$17.00
3-4 feet, 1 year from bud.....	.30	2.80	25.00
4-5 feet, 2 years from bud, well branched.....	.42	4.00	35.00
5-6 feet, 2 years from bud, well branched.....	.55	4.80	45.00

SOUR VARIETIES.

EARLY RICHMOND. (May Cherry.) This is the common light red cherry, mostly planted and found in the markets. Very hardy and productive. Good size and largely used for canning. Ripens here in June. A good tree for Nebraska.

ENGLISH MORELLO. Fruit large, very dark red, nearly black; tender, juicy, acid, rich, of good quality. Owing to its rich red color, looks much better when canned than the Early Richmond. Tree dwarf, slender and spreading, bears young. I would not advise planting this variety further north than the middle of Nebraska. Ripens July.

MONTMORENCY. Large, red, rich and acid. Very hardy and productive. It belongs to the Richmond class and besides ripening 10 days to two weeks later, there is little difference between the two. Seems to do better than any other variety in western Nebraska and western Kansas.

MAY DUKE. An old, well-known, excellent variety. One of the best and most dependable of the Duke class. Fruit large, dark red, juicy and rich; almost sweet. Tree is rather dwarf in habit, vigorous and productive. Ripens in June.

OSTHEIMER. Large, heart-shaped, nearly black when ripe, juicy and rich. Fine for dessert and cooking. Unsurpassed for market. Trees bloom late and bear fruit when quite young. One of the most productive of all cherries. Ripens middle of July.

WEAGG. Originated in Iowa and has become very popular in the Northwest and Western states. Fruit is medium to large, dark red and of fine quality. Tree is very hardy, vigorous and productive, is of dwarfish growth, with spreading round head; not subject to disease. This is one of the few cherries of good commercial quality that is perfectly hardy. Seems to do especially well in Colorado. Ripens July.

HEART OR SWEET VARIETIES.

BLACK TARTARIAN. Very large, fruit of purplish-black color, flesh is mild and sweet, of superb quality. Tree is vigorous, upright grower, and immense bearer. A popular cherry and fine market sort. If you wish to try a Sweet cherry of the Heart type in Kansas or Nebraska, this variety will be most apt to succeed.

LAMBERT. This very promising cherry is of the largest size, bright rich dark purplish-red color, turning almost jet black when ripe. Surface smooth, glossy, covered with minute russet dots. Flesh reddish with whitish veins; very firm and of unsurpassed quality. Stands well in the lead as a shipping variety. Tree healthy and rugged, strong grower, immense bearer. Ripens ten days later than Napoleon Bigarreau.

NAPOLEON BIGARREAU. (Royal Ann.) Magnificent cherry, of largest size; pale yellow, amber in the shade, richly dotted deep red. Very firm, juicy and sweet. Rapid grower and immense bearer. Most popular for canning, preserving and shipping. Is hardiest and best yellow sweet sort. Immense market for the fresh fruit at top prices. Ripens end of June.

SONDEREGGER'S SWEET CHERRY.

I found this cherry in south-eastern Nebraska. The appearance of the tree is a good-deal like Black Tartarian, but the fruit seems more of the Morello type. It is almost black when fully ripe, large, very meaty, juicy and sweet, although it is not the same as a heart cherry. The tree is perfectly hardy here, bears well, is of vigorous upright growth, with large leaves. The dark color of this cherry makes it especially attractive for canning. Ripens after Early Richmond.

Regular Heart or Sweet cherries can not be grown in Nebraska and Kansas, with profit,—trees will not stand our climate, so Sonderegger's Sweet should take their place. Of this variety I have only one year trees 2-3 and 3-4 feet, no larger.

Price of Sonderegger's Sweet:
2-3 feet, 1 year from bud, each 35c; 10 for \$3.00; 100 for \$25.00.
3-4 feet, 1 year from bud, each 45c; 10 for \$4.00; 100 for \$35.00.



Superb Apricot, 3 years old, grown by Merton L. Smith, Supulpa, Okla., trees purchased of Sonderegger Nurseries.



27 months old Wragg Cherry. Notice Spray Outfit, it tells the story. Loaded with fruit,—Tree from Carl Sonderegger. Tree is 10 feet high. Tree when bought was one year from bud, 2½ feet high, well rooted, which accounts for vigorous trees from Carl Sonderegger.

S. Hahn, Coffeyville, Kans.

ROCKY MOUNTAIN CHERRY.

A native cherry of dwarfish habit, perfectly hardy everywhere in the Northwest and stands coldest winters without protection. Fruit about as large as Early Richmond, color dark brown to black. Somewhat astringent to eat from the hand, but cooks well and makes fine preserves and jellies. Very early and an abundant bearer. Can be planted about as close as currants. Very desirable in the Northwest, where better cherries can not be grown. Ripens in July, after other cherries are gone. Bush (it is not really a tree) is very ornamental and deserves a place in every yard.

Price of Rocky Mountain Cherry:

	Per 1	Per 10	Per 100
2-3 feet, nice bushy little trees.....	\$0.20	\$1.70	\$16.00

COMPASS CHERRY-PLUM.

The almost phenomenal sale of Compass Cherry-Plum last spring, shows again how well this fruit is liked wherever known. Please compare my prices with those of the tree agents. I have made prices very reasonable, and besides you will be sure to get the true Compass.

Absolutely hardy everywhere. The cherry was originated at Springfield, Minn. It is a cross between the Sand Cherry and the Miner Plum. Fruit nearly an inch in diameter, a bright red, sweet and juicy, and of very fine flavor. When young and green the fruits have more the appearance of undeveloped plums, but as they mature they become round, like a cherry. The pit is somewhat elongated. The color of the fruit is bright red, when fully ripe, a dark wine shade. It looks more like a plum than a cherry.

I think it should have been called a Plum. I recommend this Cherry wherever it is hard to raise fruit of any kind, as some places in Texas, eastern Colorado, western Kansas, and western Nebraska and the Dakotas. They will bear good fruit when other trees fail.

I received an order for 1000 Compass from California. This customer I advised not to plant them, as he could raise Sweet Cherries just as well and they would pay him better. I have 2 trees in my own garden and my grandchildren like the fruit, but for the market here, I would prefer to plant Early Richmond or English Morello, although in smaller quantities they sell well in the Beatrice market, ripening after all Cherries are gone. It is a good fruit, fresh or canned and few people will be disappointed with it. The original tree bore fruit the third year from the seed and has borne a full crop every year since. The tree is a regular and heavy bearer, and produces fruit the next year after setting out. Its early bearing is truly wonderful. I have received large numbers of letters from customers that were well satisfied with the Compass.

Price of Compass Cherry-Plum:

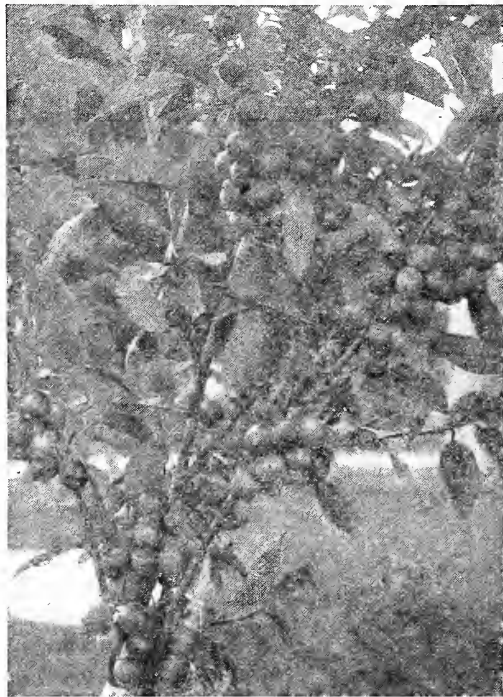
	Per 1	Per 10	Per 100
2-3 feet, 1 year from bud.....	\$0.20	\$1.90	\$17.00
3-4 feet, 1 year from bud, partly branched.....	.27	2.50	22.00
4-5 feet, 2 years from bud, branched.....	.35	3.20	28.00

Note what some of my customers have to say in regard to Compass.

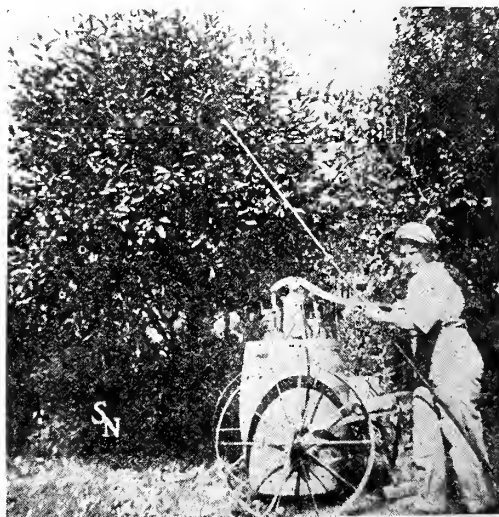
"The little Compass Cherry-Plum trees bore a good amount of fruit the second year although it was very dry here. The fruit is very good. I believe this will be the best cherry for this part of Texas and I will plant more of those trees."—C. S. Schmoker, Vernon, Texas.

"It may interest you to know that the Compass Cherry-Plum set out in December bloomed the following April and bore some fruit on the yearling trees no more than two feet high. The entire stock was first class and better than I have received from any other Nursery."

J. C. Estlack, Eunice, N. M.



Compass Cherry tree, set out April 1st, 1910, photo taken July 10th, 1911. J. A. Buckner, Hereford, Texas.



Four-year-old Montmorency Cherry tree, 13 feet high. Notice Spray Outfit, this tells why trees resist disease and grow. Mrs. Hahn at pump in overalls, with her strong arms makes some fog. This variety from personal experience is the best of all Sour varieties. The kind that Carl Sonderegger grows.

Yours truly

S. Hahn.

PLUMS.

Plums should be planted about 14 feet apart, and varieties should be mixed. Better plant four or five varieties than only one, as they will bear much better than when one variety is planted alone. The native varieties do well anywhere in the West. The foreign varieties are very hardy and will do well as far north as Minnesota and South Dakota, while the Japanese varieties should not be planted north of Nebraska. The plum prefers a rich and rather sandy or clayey loam soil, and, like all fruit trees, it will not thrive in cold, wet land. To one who is willing to give his orchard a reasonable amount of attention and cultivation, plum growing can be made highly profitable.

Price of all varieties except Improved Gold and the Hansen Varieties:

	Per 1	Per 10	Per 100
2-3 feet, 1 or 2 years, from bud.....	\$0.22	\$2.00	\$18.00
3-4 feet, 1 or 2 years, from bud.....	.27	2.50	23.00
4-5 feet, 2 years, from bud.....	.37	3.40	32.00
5-6 feet, 2 years, from bud.....	.45	4.20	38.00

EUROPEAN VARIETIES.

BRADSHAW. Very large, dark violet red. Flesh yellow, juicy, good quality. Ripens August.

LOMBARD. Medium size, oval, violet red, flesh yellow, juicy, pleasant. A great bearer, and peculiarly adapted to light soils. Tree vigorous and hardy, succeeds where most other varieties fail. The most popular and profitable plum under general cultivation. Ripens last of August.

REINE CLAUDE. Large, pale yellow, marked with red, juicy, excellent quality. Not liable to rot. Good bearer and valuable for market. Ripens middle of September.

SHROPSHIRE DAMSON. Medium size, dark purple flesh, amber colored and rich. Very productive and fine for canning. Hardy. Ripens middle of September.

GERMAN PRUNE. A valuable plum of fair quality for dessert, but most esteemed for drying and preserving. Large, long-oval, purple with a thick blue bloom, flesh firm, sweet and pleasant, separating from the stone. Moderate to vigorous in growth. September.

ITALIAN PRUNE. (Fellenberg.) A fine late plum. Fruit large, handsome, of oval shape and purple color. Flesh thick, greenish-yellow, juicy and delicious, parts freely from stone. Excellent for drying and preserving. Very productive. Extensively used in Oregon and Washington for drying purposes. Ripens September.

SHIPPER'S PRIDE. Very large. Handsome, dark purple color, good quality, an unusually good shipper.

YELLOW EGG. Very large, egg shape. Color creamy yellow. Flesh yellow and of fine quality. A good variety for the Middle West. End of August.

JAPANESE VARIETIES.

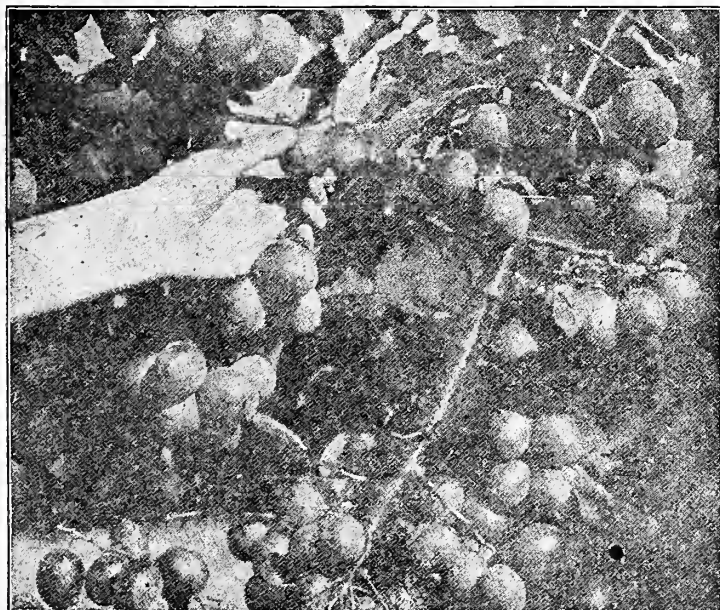
This type of plum is a strong grower, bears very young, from 2 to 3 years after transplanting. Is very productive, and the tree as a rule is very ornamental. They are not so hardy, though, as the Native or European varieties. Here in Nebraska they seem to be about as hardy, or a little more so, than the peach. All the varieties we offer are Luther Burbank's productions. These varieties must not be planted in Northern states.

ABUNDANCE. Medium size, amber with red, juicy and sweet. A good market variety. Ripens in August.

BURBANK. When properly thinned, the fruit of this plum is very large—5 to 6 inches in circumference—nearly round, bright cherry red, making it very tempting in appearance. Its deep yellow flesh is sweet, meaty and quite firm, keeping and shipping finely. Tree vigorous and spreading. I find that here in Nebraska the Burbank is the very best of the Japanese varieties. Bears well here and generally comes through the winter unharmed. This would probably also be the case in Kansas. Ripens late in August.



Italian Prune.



Surprise Plum. (See page 12.)

RED JUNE. The great early market variety. Medium to large, deep red, with beautiful bloom. Flesh lemon yellow, firm and of delightful quality. Ripens early August. A prize winner.

SATSUMA. A delicious plum for canning and a grand market sort. Fruit very large with deep red skin and flesh. Keeps two weeks after picking. A good bearer. Ripens in September.

WICKSON. Very large and superb in every way. Bright cherry red and small pit. Flesh firm, sweet, tender and a good shipper and good bearer. September.

THE IMPROVED GOLD. One of the most attractive golden yellow plum, with a red cheek; roundish oval shape. Flesh yellow, juicy and sweet. About 1½ inches in diameter. Tree is extremely hardy, very productive and is adapted to commercial plantings, where other varieties are not profitable. Its unusual attraction and showy appearance makes it a good seller and it is one of the best shipping plums known. Does very well here in Nebraska. I have had so many customers wanting this plum, so I started raising them. Have only 3-4 feet and 4-5 feet to offer.

Price of Improved Gold:

3-4 feet, 1 year from bud, each 35c; 10 for \$3.20; 100 for \$30.00.

4-5 feet, 1 year from bud, each 45c; 10 for \$4.20; 100 for \$40.00.

PLUMS.—Continued.—NATIVE VARIETIES.

✓ **SURPRISE** (Hortulana). A variety introduced by Mr. Penning of Sleepy Eye, Minnesota, and is said by many to be the finest in quality of any of the cultivated varieties in the Native Miner group, also the hardest of that type. Fruit large to very large, skin medium thick, tender, bright red, flesh pale yellow, meaty and of fine flavor, quality extra good. Season medium. Tree an upright, vigorous and healthy grower; is everywhere reported very productive. A splendid variety for either home or commercial culture and should be found in every collection. The Surprise plum has given the very best satisfaction in the Western and Northwestern states. Ripens here about August 25th.

✓ **WILD GOOSE**. An old well-known variety. Fruit good size, clear red, with blue bloom, sweet and very juicy; not hardy in the north. Ripens end of July.

✓ **WOLF**. No Western native plum has been more generally commended than this. It is very productive, regular in bearing from Kansas to Minnesota, being perfectly hardy and has given good satisfaction whenever planted. Fruit of good flavor and quality. Stone perfectly free. Season medium. Tree beautiful and symmetrical, inclined to over-bear. Ripens September 1st.

✓ **WYANT**. Widely and favorably known as one of our very best native plums. Generally bears a good crop and comes into bearing very young. Fruit of good size and best quality. Ripens September 1st.

✓ **HAMMER**. Originated by H. A. Terry, Crescent, Ia. Trees attain large size and are of spreading habit. Fruit is almost 2 inches in diameter, free from pockets, bright attractive color, flesh firm, quality good and stands drought well, although fruit will crack sometimes. I recommend this tree anywhere south of South Dakota. Not hardy in the Dakotas. Ripens late.

✓ **FOREST GARDEN**. Fruit large, nearly round, dark purplish red; flesh yellow, firm, rich and of good flavor. Tree vigorous, very hardy, bearing early and abundantly. Ripens Sept. 1st; recommended for the market. Season: Early Sept.

✓ **DESOTO**. Probably the most grown of the American sorts. Fruit of medium size, oval; orange overspread with bright red; flesh yellow and firm, of fine flavor and good quality. It is a profitable market variety and excellent for all home uses. Tree very hardy and productive. Does well in the Dakotas and Minnesota. Season: September.

THE HANSEN VARIETIES.

These were all introduced by Prof. Hansen of the South Dakota Experimental Station at Brookings. All are Hybrids of Dakota native plums and therefore very hardy and especially suited for Northern states.

Price of the Hansen Plums:	Per 1	Per 10	Per 100
2-3 feet, 2 year roots, 1 year tops.....	\$0.30	\$2.70	\$25.00
3-4 feet, 2 year roots, 1 year tops.....	.36	3.30	30.00
4-5 feet, 2 year roots, 2 year tops, branched.....	.45	4.20	40.00
5-6 feet, 2 year roots, 2 year tops, well branched.....	.55	5.20	48.00

✓ **SAPA**. Very fine, perfectly hardy new plum. Prof. Hansen's description: "The female parent is one of our selected seedlings of the Western Sand Cherry (*Prunus Besseyi*), favorite fruit of the Sioux Indians. The male parent, a large, purple-fleshed Japanese plum originated by Luther Burbank and by him named the Sultan. Sultan is one of the Satsuma type and is perhaps a cross with some other species. The Sapa bears a cross with some other species. The Sapa fruited first in 1907 on a tree cut back very severely for bud sticks. The tree is plum-like in habit; one-year trees in nursery have many fruit buds; the glossy, dark purple skin, and the rich dark purple red flesh of its Japanese sire. I have raised the Sapa on my farm, and they were fine."

Sapa Plum reduced.

fruited first in 1907 on a tree cut back very severely for bud sticks. The tree is plum-like in habit; one-year trees in nursery have many fruit buds; the glossy, dark purple skin, and the rich dark purple red flesh of its Japanese sire. I have raised the Sapa on my farm, and they were fine."

✓ **INKPA**. Very fine, perfectly hardy new plum. Plum red, with heavy blue bloom, firm flesh, good quality and rich fragrance. Skin somewhat thick but sweet. Fruit 1½ to 2 inches in diameter. When cooked the strong apricot flavor is brought out to perfection, entirely unlike any native plum. The female parent is a seedling of our wild Northwestern plum (*Prunus Americana*), the male parent is the large, firm fleshed fragrant apricot of China (*Prunus Simoni*) popular in the orchards of California. It bore a heavy crop when native plums were almost a total failure.

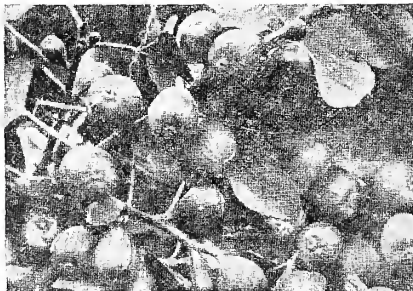
✓ **WANETA**. Prof. Hansen describes it thus: It is probably the largest of over 10,000 seedlings; here about 2 inches in diameter; weight 2 ounces. Good red color, skin free from astringency and with delicious flavor. Has borne the past four successive years.

✓ **KAHINTA**. Fruit 1½ inches in diameter, dark red, roundish, slightly oval and very heavy. Flesh firm, yellow and sweet. Introduced in 1912.

✓ **TOKATA**. Good size, of a dark rich red color, slightly mottled with numerous orange dots and covered with a light lilac bloom. Flesh rich, orange red, very firm and of excellent flavor. Stone free.

FIGS.

These can be planted in the open in the Southern states. Should do well in most places in New Mexico, Texas and southern Oklahoma. In the Northern states it is best to plant them in tubs. In my own garden I have succeeded in wintering them by laying the trees down, and covering them with dirt and strawy manure.



Figs.

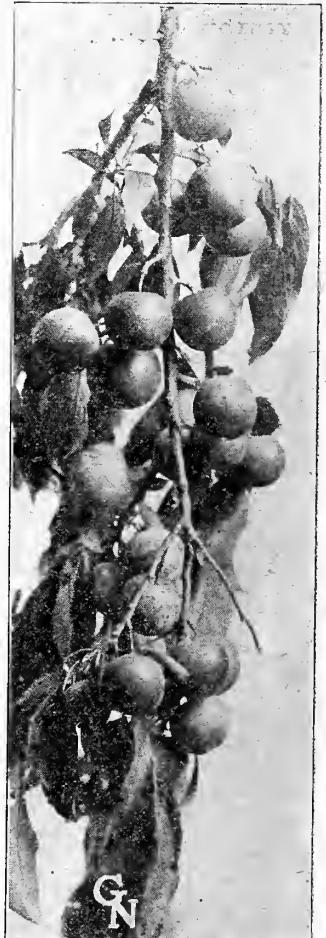
✓ **CELESTIAL, or CELESTE**. Medium size, pale violet, delicate bloom, sweet, excellent quality. Best for general planting. Celestial is successful much farther north than most other varieties.; it is the hardest of all figs.

Price: 3-4 feet, trees, 50c each; 10 for \$4.50.

PAW-PAW.

(Asimina.) A small tree or rather a shrub with purple or whitish flowers and handsome foliage. The large fruit is edible and improves by cultivation. Hardy as far north as the middle of Nebraska. Near Sabetha, Kansas, I have seen it grow wild along the creeks. Generally well-known.

Price, 2-3 ft., 40c ea.; 10 for \$3.50.



Inkpa. Grown in my garden.

BUDDED PEACHES.

We give below a list of the hardiest and choicest varieties, covering the season from July to the middle of October. Budded peaches always bring a good price, as they are much larger and finer in appearance and quality. They will bear just as often, yield as many bushels to the tree, live as long and stand as much cold as seedling peaches, while the fruit is much more valuable. Do not waste your labor and land by planting seedling trees. It doesn't pay and you will surely be disappointed.

Plant about 16x16 or 18x18 feet, in moderate rich soil. Before planting cut all limbs back to one inch, the main leader about half. Your peach trees will start to grow quicker and surer and will form a nice top. Keep the ground well cultivated. Peach trees are apt to make too much of a growth and get top heavy. To avoid this, prune them every year. Cut all dry wood out and shorten long leading branches.

We give the time of ripening here in Nebraska. South of here they would ripen earlier. For Nebraska I recommend Alexander, Champion, Sage, Bokara and Fitzgerald. These are the hardiest peaches I know. I have fruited them here. No use trying any other variety if these cannot stand your climate.

Do not overlook the Sage. It originated here in Nebraska, is hardy and deserves a trial.

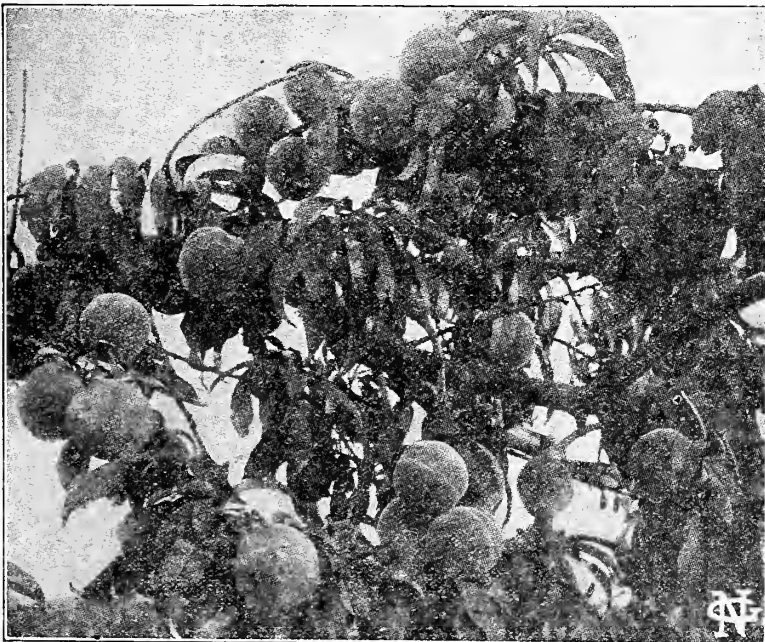


A 2-year old orchard, Peaches and Strawberry plants, purchased from Sonderegger Nurseries. E. S., Home, Kansas.

Price of all Peaches except Sage and J. H. Hale.

	Per 1	Per 10	Per 100	Per 1000
2-3 feet, budded, mostly whips.....	\$0.12	\$1.00	\$9.00	Write
3-4 feet, budded, partly branched.....	.16	1.50	13.00	for
4-5 feet, budded, well branched.....	.22	2.00	18.00	special
5-6 feet, budded, well branched.....	.30	2.70	25.00	prices.

- ✓ **ALEXANDER EARLY.** Clingstone. Medium size, almost red. Flesh white, tender, juicy. Middle of July.
- ✓ **BLOOD CLING.** Cling. A variety of the red Indian peach; large, dark purplish red. Flesh also red, juicy and fine quality. September.
- ✓ **BOKARA NO. 3.** Freestone. Was first raised from seed from Bokara, Asia, by the Iowa Agricultural College. It is the hardiest peach I know. Has been in bearing for a number of years in Iowa, and it is claimed the fruit buds will survive 22 degrees below zero. Fruit is large, red with yellow cheek, 'skin tough, flesh of good quality. Prof. Budd says: "They are 30 per cent hardier than any of the old varieties." Ripens 1st to 10th of September. I can recommend this peach to all my customers in Nebraska, Iowa, Kansas and northern Illinois. You will not be disappointed.
- ✓ **CARMAN.** Freestone. Very large, resembling Elberta in shape, creamy white with deep blush. Fine flavor, hardy and productive. August to September.
- ✓ **CHAMPION.** Fruit large, beautiful in appearance, flavor delicious, sweet, rich and juicy; skin creamy white with red cheeks; freestone. The peculiarity of this acquisition is its hardiness. It stood a temperature of 18 degrees below zero in the winter of 1887-88 and produced an abundant crop the following season, and again in 1890 produced a full crop when the peach crop was a universal failure. One of the best bearers in Nebraska. August.
- ✓ **CRAWFORD'S EARLY.** Freestone. Highly esteemed for market. Fruit very large, oblong, yellow with showy red cheeks. Flesh yellow, juicy and sweet. A good bearer. August.
- ✓ **ELBERTA.** Freestone. The most popular peach in the market. Large, yellow and red, handsome. Flesh yellow, juicy and sweet. Ripens after Early Crawford.
- ✓ **FITZGERALD.** Freestone. One of the best for the northern peach belt. Fruit large, brilliant color, yellow flesh. August.
- ✓ **GREENSBORO.** Freestone. A fine early peach, superior to Alexander. Very large, flesh white and juicy. End of July.

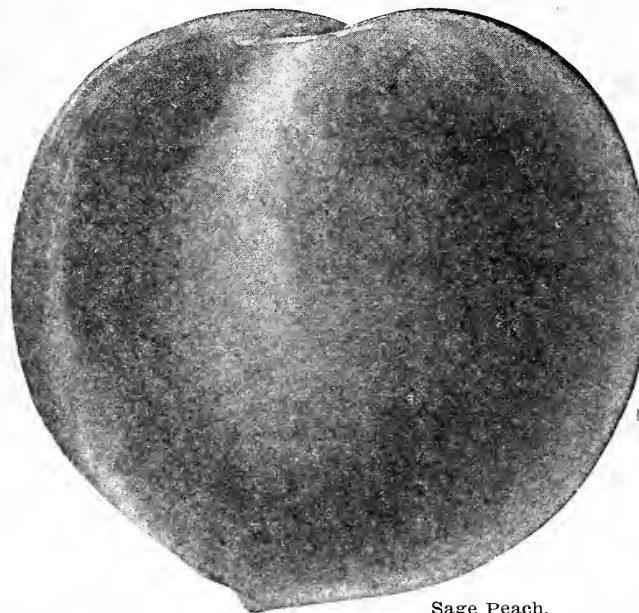


Mayflower, best Early Peach.

✓ **HEATH CLING.** Clingstone. Large and round; white with black spots, juicy and fine quality. The best peach for pickles. October.

✓ **THE MAYFLOWER PEACH.** Clingstone. The Mayflower is the earliest peach in the market. A week earlier than Alexander or Sneed. It is of good size and fine color, being absolutely red all over, even before it is ripe enough to ship, thus making a very handsome attractive peach. The earliness and rich color of the Mayflower makes it so valuable for the market. In quality it is fully as good as Sneed or Alexander. The tree is a strong and thrifty grower, has large blossoms that come out after all other peaches have bloomed. Thus the tree often escapes a late frost and bears well, while the fruits of other varieties are killed. It is a young bearer, often bringing a few fruits the first year after transplanting. It is apt to set too many fruits and should be thinned out to secure the best results. The fruit keeps well for an early peach, is a good shipper, and always brings the highest price on the market. We advise all our customers in peach growing sections to try the Mayflower, being sure that it will pay better than any other peach on the market. At Rulo, Nebr., they ripenend June 18th in 1915.

PEACHES.—Continued.



Sage Peach.

THE SAGE PEACH. Originated here in Beatrice; a chance seedling. The tree is a vigorous, healthy grower, very hardy, and an abundant bearer. The fruit is of good size, about the same as the Elberta, dark yellow with a deep crimson blush, making it very attractive. The flesh is yellow, very firm, juicy and of excellent quality, as good as the best. A perfect freestone. The main advantage over other peaches of the same class is the time of its ripening, which is last of September to forepart of October. At this time all regular canning peaches such as Crawfords, Elberta, etc., are gone. The Sage Peach comes at a time when the weather is cool. No use for your lady to can peaches when the kitchen is so hot. Plant the Sage Peach and you may can them in cool weather. I have a limited stock, but make a very low price on same. Order early to be sure to get them. I know you will like the peach and the trees I offer this year.

Price of Sage Peach:	Per 1	Per 10	Per 100
2-3 ft., 1 year, from bud.....	\$0.20	\$1.80	\$17.00
3-4 ft., 1 year, from bud.....	.25	2.30	21.00
4-5 ft., 1 year, from bud.....	.35	3.20	30.00
5-6 ft., 1 year, from bud.....	.42	4.00	35.00

PEACH SEEDLINGS.

These are raised from seeds obtained at the canning factories, generally very much mixed as to varieties. 2 to 3 feet high, 1 year old, each 7c; 10 for 60c; 100 for \$4.50.

PERSIMMON.

A native of the Southern states, but will thrive and ripen its fruit as far north as the Great Lakes. The tree reaches a height of 20 to 30 feet. The fruit is not large, $\frac{1}{2}$ to 1 inch in diameter, and must be fully ripe to become edible. A valuable ornamental tree. Will thrive on the poorest soil.

A great change is wrought in the fruit of the tree by the early frosts. Under their influence it becomes sweet, high flavored, rich and racy. Long after the leaves have fallen the branches are so heavily laden with plum-like fruits that the tree seems all aglow with the saffron pink tint of the fruit that is very ornamental.

Price of Persimmons:	Per 1	Per 10	Per 100
18-24 inch seedlings.....	\$0.08	\$0.70	\$6.00
4-5 feet, nice trees.....	.50	4.70	42.00

NECTARINES.

The Nectarine is almost identical with the peach. Most botanists consider them the same species, the difference between the two being in the skin, the Nectarine having a smooth and the peach a downy surface. The fruit, however, is rather smaller and scarcely so rich in flavor as the best peaches, but they have a very sprightly and delicious quality, and their exquisite wax-like appearance makes them highly popular as a dessert fruit. Nectarines require the same culture as the peach.

NEW WHITE. Large, skin greenish white, flesh white, tender, juicy, stone small and free, one of the best varieties for drying. July and August.

BOSTON. Fruit large and handsome deep yellow, with a bright blush and mottling of red, flesh yellow to the stone, very sweet, with a pleasant and peculiar flavor, freestone, hardy and productive. Ripens in September.

Price of Nectarines: 3 to 5 feet, 40c each; 10 for \$3.50; 100 for \$30.00.

✓ **KRUMMEL.** Freestone. This is a large, round peach, rich golden yellow, blushed with carmine. Flesh yellow, tinted red at the pit, firm, rich, melting and sub-acid. Of good quality, a good keeper and shipper. Tree is hardy and healthy and a vigorous grower. Is largely planted in the East and South and on the Pacific coast and should be given a trial in the Middle West. Ripens late, at the Ohio Experiment Station about October 5th. It is hardy, very productive and a money-maker. See prices page 13.

✓ **TRIUMPH.** Clingstone, but not so much so as Alexander. Earliest yellow flesh peach. Color yellow with red. Good quality. Tree very hardy. Bears well in Nebraska and sells well on the market. Ripens in July.

✓ **SALWAY.** Freestone. A well-known market variety. Large, yellow and red, juicy, fine. End of September. See prices page 13.

✓ **WONDERFUL.** Large, golden yellow, over-spread with carmine. Flesh yellow, highly flavored and rich. Very firm. Tree hardy. First of October. See prices page 13.

Watsonville, Cal., Jan. 16, 1917.

The stock I got from you a few years ago was entirely satisfactory. A lemon free stone Peach proved especially fine for this locality.

P. J. Christensen.

Lincoln, Mich., Jan. 8, 1917.

Trees I had from you were very satisfactory.

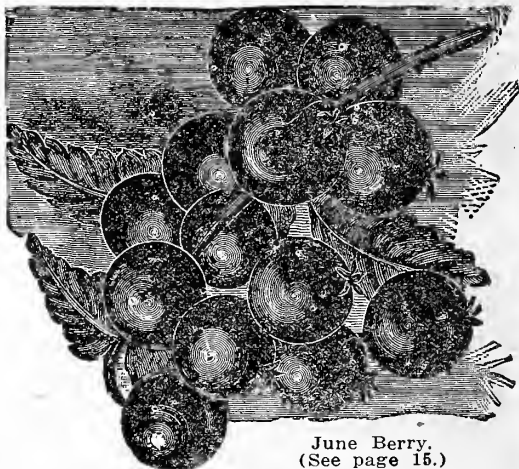
N. J. Oliver.

J. H. HALE.

A NEW PEACH.

This is a chance seedling, discovered by Mr. Hale, a large peach grower in the east. The fruit is larger than the Elberta, a perfect freestone, somewhat roundish, resembling the Reeves Favorite in shape, is of a rich golden yellow, covered with Carmine. Skin thick and entirely without fuzz. The flesh is dark yellow, fine grained and firm, parting as easily from the pit as any Elberta. The flavor is excellent, absolutely of the best. The tree is hardy, fully as hardy as Elberta or Hill's Chili, bears young and profusely, probably the best bearer known. One of the best for family use and especially for the market. It will bring a better price than any other variety. I recommend this peach to all my customers in the peach growing sections.

Price of J. H. Hale Peach:	Per 1	Per 10	Per 100
2-3 ft., 1 year, from bud.....	\$0.20	\$1.80	\$17.00
3-4 ft., 1 year, from bud.....	.25	2.30	21.00
4-5 ft., 1 year, from bud.....	.35	3.20	30.00
5-6 ft., 1 year, from bud.....	.42	4.00	35.00



June Berry.
(See page 15.)



BUFFALO BERRY.

The fruit of the Buffalo Berry resembles small currants; is round, smooth, and glossy, of a beautiful red color. Berries ripen in July and literally cover twigs and branches; will hang on bush until nearly spring. Make excellent preserves, jellies and butter, also much used for pies and tarts and for making wine. Tree is hardy anywhere, constant and prolific bearer, worth cultivating for ornamental purposes alone. Plant the Buffalo Berry for a winter berry, as they are a most delicious fruit from December to January. There are male and female plants, therefore a number of plants should be planted. One plant

alone will not bear fruit. Remember this when ordering. Price, 2 to 3 feet, 25c each; 10 for \$2.30; 100 for \$20.00.

ELDER BERRY.

ELDER, AMERICAN. (*Sambucus Canadensis*.) The common Elder Berry. A tall shrub with stout stems filled with white pith. The small white flowers come in large flat-topped cymes, fragrant, opening in early summer. Fruit black, very profuse, ripening in August and September. Grows 6 to 8 feet tall. The berries are highly esteemed for cooking and making of cordials. In many parts of Europe they are grown for the purpose of making wine, and are said to be of great value for medicinal purposes in case of stomach disorder. All varieties of Elder are largely planted in parks and gardens to attract the birds, which are very fond of the berries. Price: 2 to 3 feet, 18c each; 10 for \$1.50.

JUNE BERRY OF SERVICE BERRY.

IMPROVED DWARF. Good substitute for the large swamp Huckleberry or Whortleberry, which it resembles in appearance and quality. Fruit borne in clusters, reddish purple in color, changing to bluish black. Flavor a mild, rich, sub-acid; excellent as a dessert fruit or canned. Is extremely hardy and endures the heat of summer without injury. In habit it is bushy, growing up to 7 or 8 feet in height. Is largely planted for ornamental purposes. When in full bloom it is surpassed by few shrubs. The leaves are of a beautiful glossy green.

Price: 2 to 3 feet, 20c each; 10 for \$1.80.

DWARF BLUE BERRY. (*Vaccinium Pennsylvanicum*.)

A dwarf shrub, growing 8 to 15 inches high with very shiny leaves and very productive. The berries are of good size, black, with a blue bloom, very sweet. This is the variety that is largely used for canning. Plant grows fine under cultivation, likes a sunny place and is perfectly hardy.

Price: 18c each; 10 for \$1.50; 100 for \$13.00. We offer strong, well rooted plants.

RUSSIAN MULBERRY.

Introduced here by the Russian Mennonites. Tree very hardy, stood 40 degrees below zero and bore a crop of berries the next season. An annual and abundant bearer. The fruit is from white to pink and some black in color, from sweet to quite tart in taste. Canned with gooseberries, cherries, or rhubarb they make a good sauce, relished by most everybody. Poultry raisers should plant largely of this tree near the poultry house or yard, as they will make a nice shade tree for the chickens, and the berries are much relished by the fowls, and are very healthful. Try it and you will be pleased, and your fowls more so. It is also advisable to plant a few Mulberry near your cherry orchard. Birds prefer the Mulberry and will not take your cherries. The wood is very valuable for fence posts, lasting for 20 years in the ground. They also make a very pretty hedge if planted about 10 inches to one foot apart, and kept well pruned the first few years.

Price of Russian Mulberry:	Per 1	Per 10	Per 100	P. 1000
4- 8 inch, 1 year seedlings.....			\$0.25	\$2.00
8-12 inch, 1 year seedlings.....			.30	2.50
12-18 inch, 1 year seedlings.....			.40	3.70
18-24 inch, 2 year seedlings.....		\$0.15	.75	7.00
2- 3 feet, 2 year seedlings.....		.25	2.00	16.00
3- 4 feet, nice transplanted trees..	\$0.08	.70	5.00	45.00
4- 5 feet, nice transplanted trees..	.12	1.00	9.00	80.00
5- 6 feet, nice transplanted trees..	.18	1.60	14.00	
6- 8 feet, nice transplanted trees..	.32	3.00	26.00	
8-10 feet, nice transplanted trees..	.70	6.00		

AMERICAN MULBERRY.

The native varieties are not quite as hardy as the Russian kinds, but the fruit is larger, very juicy and of better quality. Should not be planted as far north as Nebraska. I have never succeeded to raise berries from an American Mulberry here, while Russian Mulberry bear well here.

DOWNINGS EVERBEARING. One of the most prolific varieties. Fruit very large, black, rich and sweet in flavor. Its long bearing season has made it a universal favorite. Ripens fruit during six to eight weeks.

ABUNDANCE. I believe this is the best of the large fruited Mulberries. Fruit is long, glossy black and of excellent quality. Tree very productive, strong upright grower, is hardier than the American varieties and can be grown farther North.

Price of both varieties: 4 to 5 feet, 35c each; 10 for \$3.00; 100 for \$26.00.



Russian Mulberry.

NUT TREES.

The past few years have witnessed a remarkable development in the planting of nut-bearing trees. Probably no branch of tree cultivation pays larger profits or is as well assured of a profitable market. The returns from established nut-bearing orchards, as well as numerous experiments, show plainly how successful nut culture may be made in America. Most farms contain land that would pay better planted in nut-bearing trees than anything else; the nuts, in many cases, paying better than farm crops or fruits, while the trees are growing into valuable timber.

ALMONDS. These must not be planted in the Northern states, but should do well as far north as southern Oklahoma and New Mexico. Are largely planted in California and Arizona. I give here two of the very best varieties. Mr. Wickson in his book, "California Fruits," puts these two varieties at the head of the list.

✓ **I. X. L.** "Tree a sturdy, rather upright grower with large leaves; nuts large, with, as a rule, single kernels; hulls easily. No bleaching necessary; shells soft but perfect; bears heavily and regularly."

✓ **NE PLUS ULTRA.** "Large and very long in shape; heavy and regular bearer, soft shell, hull free."

Price of Almonds:	Per 1	Per 10	Per 100
3-4 feet, budded, branched.....	\$0.38	\$3.50	\$29.00
4-5 feet, budded, well branched.....	.45	4.10	35.00

BUTTERNUT OR WHITE WALNUT. The nuts are large, long, oily and nutritious. The lofty, spreading tree is one of our finest natives, valued for its tropical appearance and beautiful wood, as well as for its nuts. Does well in Nebraska and as far north as Dakota.

Price:	Per 1	Per 10	Per 100	Per 1000
12-18 inch seedlings.....	\$0.06	\$0.50	\$4.00	\$35.00
18-24 inch seedlings.....	.08	.70	6.00	55.00

BLACK WALNUT. A native of Nebraska. Of large size and majestic form, with beautiful foliage. Grows best on low ground, bears very freely. The most valuable of all trees for timber, which enters largely into the manufacture of furniture and cabinet work, and brings the very highest price in the market. Tree is a fairly rapid grower. The large, oily nuts are of fine flavor and marketable at a fair price.

On a large number of farms along creeks and rivers, there are small pieces of land (a bend in the creek), on which Black Walnuts would do exceptionally well, and in time would bring a nice sum of money. The cost of the seedlings and the care of them the first 2 or 3 years would amount to very little.

Price of Black Walnut:	Per 1	Per 10	Per 100	Per 1000
8-12 inch, 1 year seedlings.....	\$0.15	\$1.00	\$8.00	
12-18 inch, 1 year seedlings.....	.20	1.60	13.00	
18-24 inch, 2 year seedlings.....	\$0.05	.30	2.50	20.00
4-5 feet, nice trees.....	.30	2.60	24.00	
5-6 feet, nice trees.....	.40	3.60	34.00	

ENGLISH OR PERSIAN WALNUT. A fine, lofty growing tree, with handsome spreading head; produces large crops of thin shelled, delicious nuts that are always in demand at good prices. The fruit in green state is highly esteemed for pickling. Unlike the native walnuts, the nut drops from its shucks when ripe as readily as those of hickory. The orchards of California and the South are yielding handsome profits, and still the nuts are imported in great quantities. Not hardy enough for general culture North.

Price: 12-18 inch seedlings, raised from the best selected nuts, each 12c; 10 for \$1.10; 100 for \$10.00.

JAPAN WALNUT (Sieboldi). If it produced no nuts it would be well worth cultivating for an ornamental tree. Grows with great vigor, surpassing all other nut trees, assuming a handsome form; needs no pruning; leaves of large size and charming shade of green. Nuts are borne in clusters of 12 or 15 each at tips of previous season's branches; they have a smooth shell, thicker than the English, but not so thick as the Black Walnut. Meat is sweet, of good quality, flavor like Butternut, but less oily. Tree commences bearing young; trees three to four years from nut in nursery row frequently producing nuts. Perfectly hardy and worthy of extensive planting. One of the finest ornamental trees.

Price of Japan Walnut:	Per 1	Per 10	Per 100
12-18 inch seedlings, 1 year.....	\$0.17	\$1.50	\$13.00
18-24 inch seedlings, 1 year.....	.30	2.50	23.00
2-3 feet, seedlings, 2 years.....	.35	3.20	30.00
5-6 feet, nice trees, transplanted.....	.60	5.50	

✓ **STUART PECAN, Grafted.** This is a large, thin-shelled nut, of fine flavor, and the hardiest variety grown. Can be planted farther North than the common Pecans. As these all are grafted, they will all come true to name, while with seedlings this is not always the case.

Price, 1½ to 2 feet, trees, \$1.00 each; 10 for \$9.00; 100 for \$75.00.

PECAN. The tree grows fast and bears well, producing large crops of thin-shelled nuts that are fullkerneled and delicately flavored. In Southern states pecans yield handsome profits. Not hardy here.

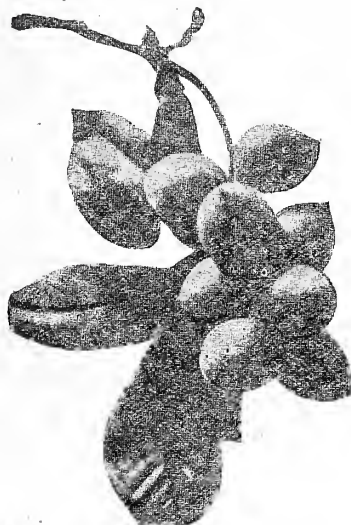
Price: 18-24 inch seedlings, raised from best nuts, 25c each; 10 for \$2.30; 100 for \$18.00.

Culbertson, Neb., Jan. 15, 1917.

We have always been satisfied with the Nursery stock and seeds received from your house.

Edmund T. Meyer.

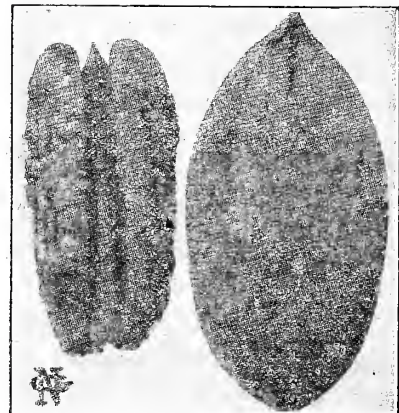
Nut Trees continued on page 17.



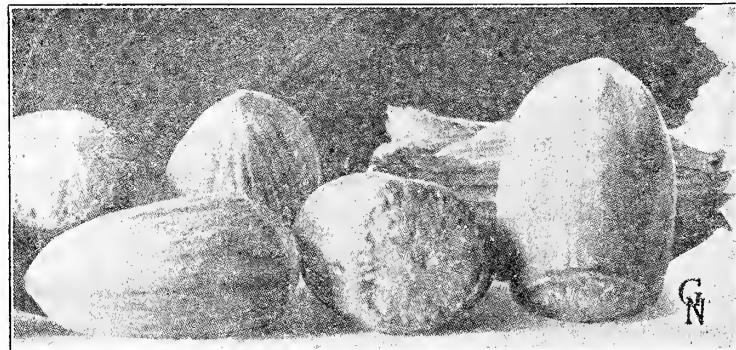
Japanese Walnut.



Butternut.



Stuart Pecan.



Filbert or Hazelnuts. (See page 17.)

NUT TREES.—Continued.

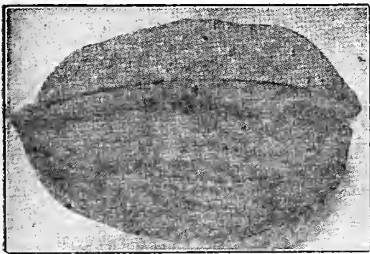
✓ **AMERICAN SWEET CHESTNUT.** The nuts of this tree form quite an item in our commerce. They are sweet and delicately flavored. This chestnut is also a grand timber and ornamental shade tree, spreading in mid-summer, billowy masses of creamy, fragrant catkins above its large, deep green leaves, making a most beautiful specimen on the lawn. I know of American Sweet Chestnut trees near Beatrice, that are doing well and bear fairly good crops, while I have seen lots of the same kind of trees free'e out here. I cannot say that it is hardy here in southern Nebraska, but probably it is perfectly hardy 100 miles further south. Chestnuts do well on medium thin and sandy land, requiring no pruning and little or no cultivation. The timber is very durable and possesses a fine grain for oil finish.

Price: 3-5 feet trees, 35c each; 10 for \$3.20; 12-18 inch seedlings, 7c each; 10 for 60c; 100 for \$5.00.

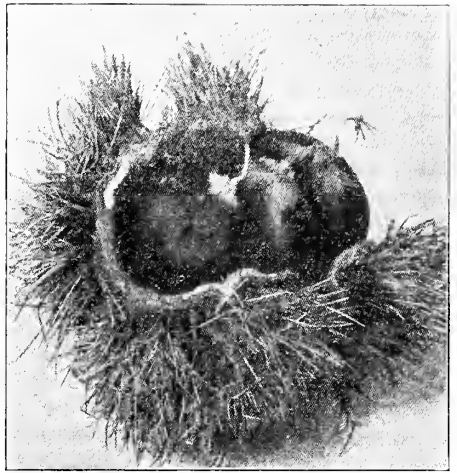
✓ **SOBER'S PARAGON CHESTNUT.** I used to get this from Mr. Sober of Pennsylvania, as it is hard to propagate them here in Nebraska. On account of some quarantine laws in regard to Chestnuts, I am unable to get them from there, so have none to offer. It's too bad, as they are a fine tree.

FILBERT OR HAZELNUT. (Early Frauensdorf.) One of the best European varieties. Nuts are large, sweet and of the best quality. Bears when very young. A much better variety than the common American Hazelnut. This forms a shrub 6 to 10 feet high, succeeding on almost all soils, preferably a damp location. One of the most profitable nuts to grow, bearing early and abundantly.

Price: 18-24 inch trees, 40c each; 10 for \$3.50; 100 for \$30.00



English Walnut. (See page 16.)



American Sweet Chestnut.

✓ **COMMON HAZELNUT.** This is the American variety that is hardy everywhere, but nuts are smaller, although of good quality.

Price: 10c each; 10 for 90c.

✓ **FRANQUETTE OR PARIS WALNUT.** Largely planted in California and Washington. It is quite large, of elongated oval, and very attractive; kernel full fleshed and sweet. It buds out late in the spring. Best thin-shelled nut raised from seed. Hardier than the English Walnut, withstanding the cold winters of Eastern France, where it originated. I offer seedlings from selected nuts, 12 to 18 inch, 25c each; 10 for \$2.00; 100 for \$18.00. I have no grafted Franquette.

Plainview, New Mexico.

The fruit trees I got from you were sure nice trees and you will receive orders from those that see them. You ought to see my trees and berries that I got from you two years ago, there are four hundred of them, all varieties, and I didn't loose but two of them out here in this dry country.

J. R. O'Neal.

GRAPE VINES.

One of the best, healthiest and longest cultivated fruits we have. Easy to grow, in most any kind of soil, that is not too wet, even a stony hill brings good results. Where there is little room plant them along the fence or on the side of a building. They make a splendid screen for unsightly buildings, walls or fences. Can be grown in almost any state in the Union if the right varieties are selected and in northern states are given a little winter protection.

On most of our Nebraska soil grapes make an excessive amount of canes or vines and must therefore be pruned thoroughly every year. In pruning never forget that the grapes grow only on last year's shoots.

In the middle West there is more money in growing grapes for the market than in any other fruit and the crop is sure, almost every year. I give below the best and hardest varieties. There should be grapes on every farm, and in every garden. With a little care you can raise plenty of good healthy fruit.

✓ **CACO (CATAWBA-CONCORD) GRAPE.**

A Grand Novelty. See back cover page.

The most delicious of all grapes, whether hardy or exotic. A perfectly hardy grape, that has been pronounced by America's most expert grower of Hothouse Grapes, to equal in high quality and melting texture, the finest varieties grown under glass. When one considers the price of the greenhouse product and realizes that the wonderful Caco can be grown in the back yard, almost without attention, the force of the above statement is apparent. In appearance, the most beautiful of hardy grapes; berry large, wine-red, with abundant bloom. Bunch of good size, compact and of good form. Ripens ten days to two weeks in advance of Concord; so rich in sugar it is excellent in flavor two weeks in advance of being fully ripe. Vine a very strong, vigorous grower, healthy and prolific. Fruit for past two years sold in open market by the crate at more than double the price of any other variety. Highly commended by prominent fruit-growers throughout the country, by clergymen, attorneys and laymen. Was awarded a medal by the American Institute of New York; the highest honor ever conferred on a variety of fruit by this time honored institution. I cannot recommend the Caco too highly. It shows up well in my garden. Last winter was exceptionally hard on grapes, but the Caco came through alright without covering. I find the grapes as described above.

Price: 2-year No. 1 plants 50c each; 10 for \$4.50; 100 for \$40.00.

✓ **BETA.** See back cover page. A small to medium sized black grape, quite acid but of good quality and fine flavor. Very early, prolific and healthy. It is valuable chiefly for its hardiness. It is hardy without protection far into Minnesota and on this account it is especially valuable for arbors where the large varieties are a little too tender.

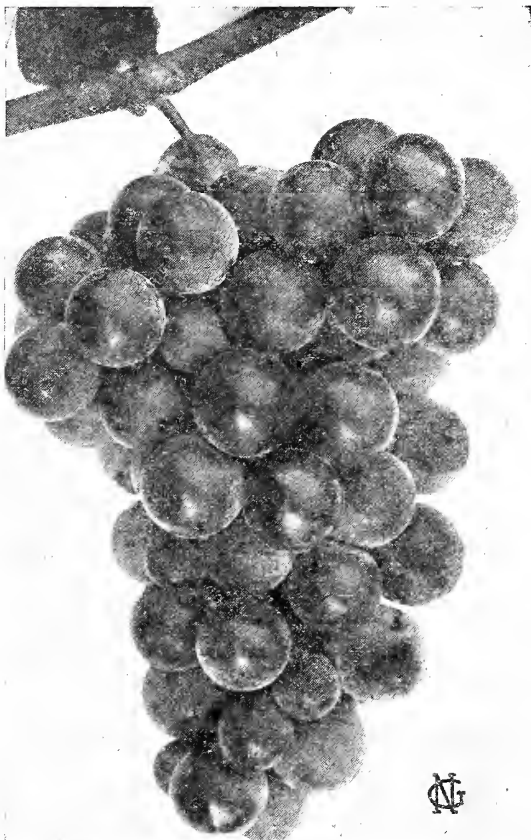
Price: 45c each; 10 for \$4.00; 100 for \$38.00.

✓ **EMPIRE STATE.** White. Especially for the Eastern states recommended as one of the best paying grapes in cultivation. Bunches long and large, berries medium, light green or white, tinged with yellow and covered with a white bloom; flesh tender, sweet and sprightly; good keeper. **Two-year-old No. 1 plants:** Each, 15c; 10 for \$1.40; 100 for \$13.00.



Empire State Grape.

GRAPE VINES.—Continued.



Campbell's Early.

CONCORD. Black. The well-known fine old variety, planted everywhere. Bunches and berries of good size, black, covered with a rich blue bloom. Skin tender but firm, juicy, sweet, when fully ripe. Hardy and productive. I think this variety, especially here in Nebraska, will bring more fruit from year to year than any other kind, the Niagara coming the closest to it. There are varieties of better quality and flavor especially for table use, but few better bearers. Is used largely by the Eastern makers of grape juice, in fact almost all the grape juice in the market is made from Concord grapes. I advise covering the vines in the fall, north of the middle half of Nebraska. Please notice my low prices.

Two-year-old No. 1 Plants: Extra nice, very large and well rooted. As fine plants as are grown anywhere. Each, 10c; 10 for 80c; 100 for \$5.50; 1000 for \$45.00.

One-year-old No. 1 Plants: Strong and well rooted. Each, 7c; 10 for 60c; 100 for \$4.00; 1000 for \$35.00.

One-year-old No. 2 Plants: Good plants, with plenty of roots. Each, 6c; 10 for 40c; 100 for \$2.50; 1000 for \$20.00.

AGAWAM. Red. Bears well in Nebraska. Berries large, of rich red color; skin thick, meaty, juicy and of rich peculiar aromatic flavor. A good bearer.

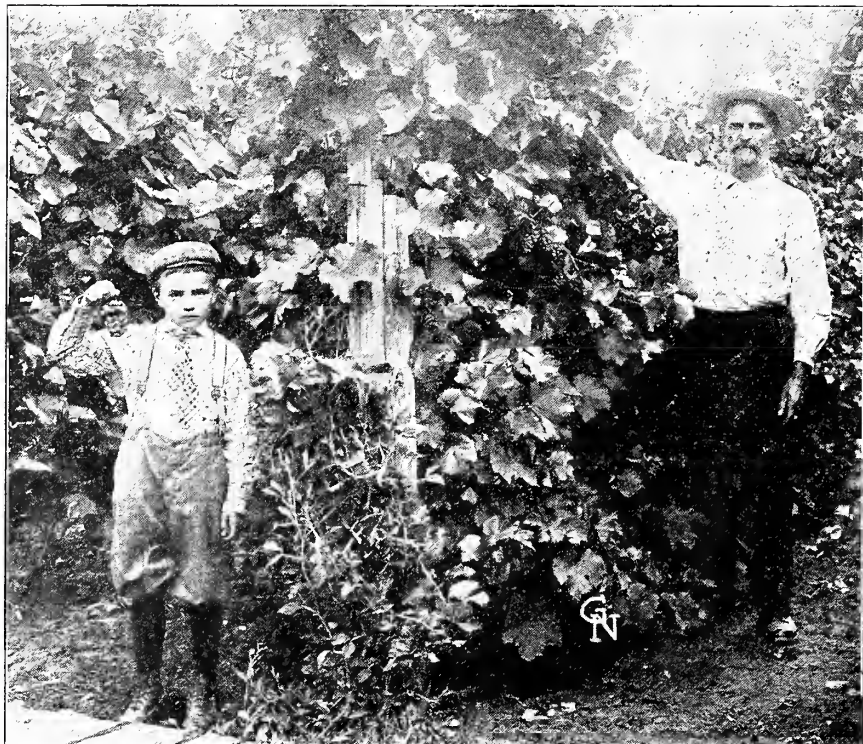
Two-year-old No. 1 Plants: Each, 10c; 10 for 80c; 100 for \$7.00; 1000 for \$45.00.

BRIGHTON. (See cover page.) Red. Bunches and berries large, fine rich flavor, juicy and sweet, with very few seeds. I find that this is one of the best of finer dessert grapes for Nebraska and Kansas. In my garden one of the very best dessert grapes and very productive and hardy. **Two-year-old No. 1 plants:** Each, 15c; 10 for \$1.20; 100 for \$9.50; 1000 for \$70.00.

CAMPBELL'S EARLY. Black. A new variety that cannot be too highly recommended. Of strong vigorous growth, very hardy, foliage perfectly healthy, very early and abundant bearer. The berries are large, nearly round, dark blue, skin thick and tough, making it a good shipper; flesh sweet, with slight aroma. The bunches are always large and beautiful. Will keep on or off the vines for several weeks after fully ripened. An excellent dessert grape; one of the best early market varieties. I do not know of a better grape for Nebraska if properly taken care of. Should be covered over winter here. **Two-year-old No. 1 plants:** Each, 20c; 10 for \$1.90; 100 for \$16.50; 1000 for \$130.00.

CATAWBA. Red. Well-known wine grape. Bunches and berries large, of coppery red color, turning to purple when fully ripe. Best quality, a good bearer and very profitable. **Two-year-old No. 1 plants:** Each, 10c; 10 for 90c; 100 for \$7.00; 1000 for \$50.00.

CLINTON. Black. Bunches and berries small and compact. Berries juicy and quite acid. A good grape for dark red wine. Vine vigorous grower, productive and hardy. Very desirable as an arbor grape, but not fully hardy here.



Grapes grown by J. Imhoof, Alexandria, Ind. Vines purchased of Sonderegger Nurseries.

Our Nebraska soil seems to be too rich for this grape, as here it grows an unusual amount of wood. I recommend this grape on very light soil.

Two-year-old No. 1 plants: Each 10c; 10 for 80c; 100 for \$7.00.

DAKOTA. Originated in Minnesota by Louis Suelter, the grape specialist. An improved American wild Grape. Very hardy even in Minnesota and the Dakotas, where after the first winter, they need no covering whatever. I grow this in my garden as a cover over some rustic seats. I find the berries of good size, fair quality, prolific and ripens early. While in quality not as good as some more tender varieties, they are a great improvement on the wild grape, still retaining the latter's hardiness. The best vine to cover trellises, old walls, arbors, and any unsightly place in the garden. I have a large arbor which this grape covered entirely in 2 years and producing many grapes at the same time.

Price: 45c each; 10 for \$4.00.

GRAPE VINES.—Continued.

✓ **DELAWARE.** Red. One of the finest table grapes. Bunches not large, compact and well shouldered. Berries rather small, juicy, and sweet, without any hard pulp; spicy flavor. Probably the best American grape, all things considered. My customers in Nebraska and Kansas can plant this grape with perfect assurance of success. In the northern half of Nebraska covering the vine over winter is advisable. Ripens early. **Two-year-old No. 1 plants:** Each, 15c; 10 for \$1.30; 100 for \$11.00; 1000 for \$100.00.

✓ **ELVIRA.** White. Bunches medium size, very compact. Berries small and sweet when fully ripe. A splendid wine grape. Hardy, vigorous grower and productive. September. **Two-year-old No. 1 plants:** Each, 10c; 10 for 85c; 100 for \$7.00; 1000 for \$50.00.

GREEN MOUNTAIN WINCHEL. See cover page. White. Originated in Vermont, at an altitude of 1,400 feet, where it ripens its fruit perfectly. Vine strong, vigorous and healthy, very hardy and a good bearer. Bunches long, compact, and well shouldered. Skin thin, very tender, sweet, with few seeds and excellent quality. Three weeks earlier than Concord. Is highly recommended as a sweet, fine table grape. **Two-year-old No. 1 plants:** Each, 40c; 10 for \$3.50; 100 for \$30.00.

✓ **IVES.** Black. Bunches and berries medium size. Sweet, pulpy, somewhat foxy. Color early, but does not fully mature until several weeks later. Highly esteemed for red wine and a good market variety. Hardy, vigorous and healthy. Ripens medium late. **Two-year-old No. 1 plants:** Each, 10c; 10 for 85c; 100 for \$7.50.

✓ **THE LUCILE GRAPE.** The coming red market grape. The Lucile yields as much or more than Concord, Niagara or any other well-known market grape. Hardy and healthy as any grape, and much more so than Niagara. A strong, robust grower and ripens its wood to the tip under a load of fruit under which Niagara would not ripen one-half. The Lucile ripens between Moore's Early and Worden, just in time to pack with Diamond and Worden; an excellent trio of our national colors—red, white and blue. The Lucile is sweet, and in quality compares favorably with that of Wyoming Red, which it resembles in color. But its crowning glory is in its size and compactness of its clusters, which resemble those of Diamond and Pocklington, but even larger. While it is an excellent market grape anywhere it is indispensable at the extreme North, where only early and extra hardy varieties succeed. The Lucile is a good shipper and never drops its berries, but where the season is long enough it gradually dries up into raisins on the vines. **Price:** Each, 30c; 10 for \$2.60; 100 for \$21.00.

✓ **MOORE'S DIAMOND.** White. A seedling of Concord, partaking of all its good qualities. Of a beautiful greenish white color, without any of the yellow spots so common on white grapes. Berries are large,

sweet, and of a good quality as some of the more delicate varieties. It is as hardy as the Concord, a profuse bearer, and in all one of the best of the newer sorts. Ripens early, a few days before Concord. Very hardy. **Two-year-old No. 1 plants:** Each, 12c; 10 for \$1.00; 100 for \$8.00; 1000 for \$70.00.

✓ **MOORE'S EARLY.** See cover page. Black with heavy blue bloom. Bunches of medium size, rarely shouldered. Berries large, round, of excellent quality. Disirable for market on account of its earliness. Berries larger than Concord, very much like it in flavor, and of same good quality. Vine a moderate grower, very healthy and hardy; foliage thick and leathery. Ripens so early as to be nearly out of the market before Concord is ripe. Well suited to Northern portions of the United States by its hardiness. Succeeds admirably in the South also. Ripens early and bears well. **Two-year-old No. 1 plants:** Each, 14c; 10 for \$1.20; 100 for \$10.00; 1000 for \$75.00.

NIAGARA. White. Home and market growers seem to agree that this is the most valuable of all white grapes. Its clusters are large and handsome, compactly filled with large berries having thin but tough skin. When fully ripe they are a pale yellow with a thin white bloom. The flesh is slightly pulpy, tender, sweet and delightful, with a flavor and aroma peculiarly its own, and agreeable to most tastes. Vine is remarkably vigorous and productive. Foliage thick and leathery. Succeeds well both North and South, and is very largely planted by vineyardists and for home use. Ripens with Concord. While I am writing this, I have in my garden a few Niagara that are just loaded with large clusters of nice grapes. If left on the vines till fully ripe they are delicious. You should see my little grandchildren's faces when they have a large bunch of Niagaras.

Two-year-old No. 1 plants: Each 10c; 10 for 90c; 100 for \$8.00; 1000 for \$70.00.

✓ **POCKLINGTON.** Golden yellow. Bunch large, very compact. Berries very large, juicy, sweet, with very little pulp. Vine very hardy, even more so than Concord and produces crops of fine quality. **Two-year-old No. 1 plants:** Each 12c; 10 for \$1.00; 100 for \$8.50.

✓ **SALEM.** Red. Bunches large and compact. Berries large, round, copper red; firm, sweet, tender with rich aromatic flavor. A splendid keeper and shipper, and best quality for both table and wine. Should be planted freely. **Two-year-old No. 1 plants:** Each, 10c; 10 for 85c; 100 for \$8.00.

✓ **WORDEN.** Black. A strain of the Concord, but a better yielder of grapes, larger than the Concord and of finer flavor. It ripens about a week or 10 days earlier than Concord. A good market variety and is extensively planted. Very hardy.

Two-year-old No. 1 plants: Each, 12c; 10 for \$1.00; 100 for \$8.00; 1000 for \$70.00.



Vineyard of Mr. J. B. Angell, Artesia, N. M. Mr. Angell kindly sent us the photograph. The two children in the picture are his grandchildren, Forest Major Boyer, and Anna Mary Boyer. Mr. Angell has made a grand success with the Thompson Seedless Grape. Picture shows the enormous productiveness of the Thompson Seedless.

GRAPE VINES.—Continued.

✓ **WOODRUFF RED.** A red grape that originated in Michigan. Bunches medium to large, short, compact; berries large, skin thick, of a beautiful bright red color; very handsome and attractive, making it a profitable market variety. Vine very vigorous, hardy, healthy and unusually productive. Fruit of good quality; somewhat foxy. Ripens with Concord.

Two-year-old No. 1 plants: Each 18c; 10 for \$1.60; 100 for \$14.00.

GRAPES FOR HOUSE CULTURE OR THE SOUTH.

This class of grapes can be planted outdoors in California, Arizona, Texas and southern New Mexico. In the Northern states they can be raised in tubs or pots, or conservatories and greenhouses. The Black Hamburg is especially adapted for this purpose.

✓ **THOMPSON'S SEEDLESS.** (Sultanina Blanche.) Identical with the Seedless Sultaninas of Asia Minor. Vine an enormous bearer and very rapid grower; bunches very large; berries greenish-yellow, firm, oval, seedless; skin thin; much larger than the Sultana. This variety is attracting a great deal of attention, and it is preferred to the Sultana, having many qualities superior to it. The raisins are of a very superior quality, and are in good demand, a very early shipping grape, ripening in August. As a sherry grape much can be said in its favor. It is largely grown in California for a raisin grape. In the Northern states this grape can be grown in pots or tubs and will bear well. During winter keep in cool cellar. Grow and bear well in New Mexico, the South and Southwest.

Price: Strong vines, well rooted, 25c each; 10 for \$2.20; 100 for \$18.00.

✓ **BLACK HAMBURG.** Bunches very large, heavily shouldered; berries large, round; skin thick, coal black when fully ripe; flesh sweet and juicy. One of the best table grapes. An immense bearer. **Price:** 25c each; 10 for \$2.20; 100 for \$18.00.

✓ **MALAGA.** Vine a strong grower and immensely productive, thriving in almost any soil; bunches very large, often weighing ten pounds; compact, shouldered; berry very large, oval, yellowish green, skin thick, fleshy. One of the best shipping grapes, commanding a good price in the Eastern markets every season; makes a second quality raisin. **Price:** 25c each; 10 for \$2.20; 100 for \$18.00.

GOOSEBERRIES.

Should be planted in good, rich soil, and well manured once a year. Prune regularly and thoroughly, cutting out all dead wood and all surplus branches. Do not let the bushes grow too thick; the fruit will be larger and more plentiful. Plant in rows four to six feet apart and four feet apart in the rows. I give below the varieties I find to be most profitable.

I used to import Industry Gooseberries from England and Neuwied, and Tree Gooseberries from Holland or Germany. But now our Government has forbidden all importations of Gooseberries and Currants from Europe. In can ship Gooseberries and Currants all over the United States again, while last year it was forbidden to ship such to the Pacific states. No Nursery situated east of the Missouri River is allowed to ship Gooseberries and Currants west, while from Nebraska we can ship anywhere. These regulations were put into effect to prevent the spread of the White Pine Blister to which Currants and Gooseberries are also subject and as there are no White Pine forests in Nebraska, we naturally would not have the disease here.

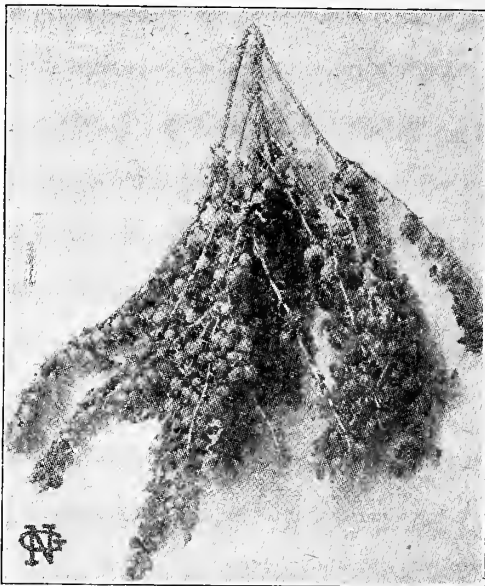
OREGON CHAMPION. I believe this is one of the very best of the American Varieties of Gooseberries we have. The bush grows very strong, is healthy and vigorous, not so very thorny, and a prolific constant bearer. The berries are large, brownish-red, sweet, fine for table use or pies. My customers should plant this variety freely, — it will pay them. **Price:** 2-year No. 1 plants, 25c each; 10 for \$2.00; 100 for \$16.00.

BOUGHTON. An enormously productive and always reliable old variety. Of vigorous growth, slender and spreading, not subject to mildew. Fruit rather small, smooth, pale red, tender and of good quality. **Price:** 2-year-old plants, 12c each; 10 for \$1.00; 100 for \$8.00.

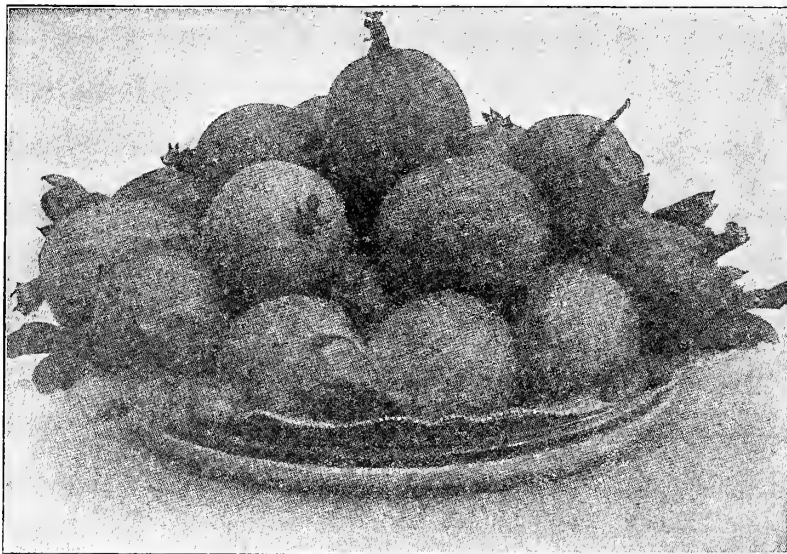
DOWNING. A well-known American sort, which has given the best results everywhere. Large and handsome, pale green berry; of splendid quality for dessert and cooking. Bush vigorous, a strong and upright grower and exceedingly productive. An excellent sort for family use and suitable for market. This variety is seldom affected by mildew. **Price:** Two-year-old plants, 17c ea.; 10 for \$1.40; 100 \$12.

PEARL. A very desirable American variety. Very hardy, entirely free from mildew, superior in size and quality, and more productive than Downing. I take pleasure in recommending it for small or extensive planting as one of the best berries of recent introduction. The large berries are pale green and of the finest quality, and valuable for home or market. **Price:** Two-year-old plants, 18c each; 10 for \$1.60; 100 for \$13.00.

RED JACKET. (Josselyn.) This American seedling has been widely planted in recent years and is highly recommended by all growers. Bush is very hardy; clean, healthy, foliage and entirely free from mildew. Fruit large, smooth, pale red and of first-class flavor and quality. It is considered the best fruited gooseberry in cultivation. While this does well in Illinois, Indiana and the eastern states, it does not seem to stand the Nebraska weather as well as the other varieties. **Price:** Two-year-old plants, 20c each; 10 for \$1.80; 100 for \$15.00.



Oregon Champion.



Pearl.

CURRENTS.

Hardy, easily cultivated, standing neglect well, and liberally responding to cultivation and generous treatment; indispensable for table use, jellies, etc.; no garden is complete without them and large quantities are required for market. Set four feet apart in rich ground; cultivate well or mulch heavily; prune out old wood so that each remaining shoot will have room to grow. If the currant worm appears, dust with hellebore. All 2-year plants, well rooted and strong.

In regard to shipping currants it is the same as with Gooseberries, I can ship them anywhere. (See under Gooseberry.)

PERFECTION. This grand new fruit was originated by Charles G. Hooker of New York, by crossing the Fay's Prolific with the White Grape Currant, with the view of combining the large size and color of the Fay with the good quality and productiveness of the White Grape. The color is a bright red; size as large or larger than Fay, the clusters averaging longer. The perfection has a long stem, making it easy to pick without crushing any of the berries. It is a great bearer. The berries are of rich, mild flavor, sub-acid, plenty of pulp, with few seeds. Less acid and of better quality than any other currant in cultivation. In my garden the Perfection is the best bearer, with largest berries; the sweetest currant I ever tasted, and the easiest to pick. Anybody can pick a basket of Perfection as fast or faster than cherries. If I should plant ten acres of currants for profit, I would plant Perfection only. My plants are true Perfection.

I have some of these currants put up in alcohol in small bottles. To anybody that wishes to plant in large numbers, I will gladly send a sample as long as they last.

Price, 2-year No. 1 plants: 22c each; 10 for \$2.00; 100 for \$16.00; 1000 for \$120.00.

FAY'S PROLIFIC. Has fully sustained all the claims that were made for it by the originator when first introduced. It has been widely planted and has given general satisfaction, fruit very large, bright red, and of excellent flavor, less acid than Cherry. It has a long stem, which admits rapid picking, and is enormously productive. One of the most valuable fruits of recent introduction. Comes into bearing early. One of the best market sorts, and equally valuable for home use. In my garden, the Perfection gives better results. I prefer the Perfection.

Price, 2-year No. 1 plants: 12c each; 10 for \$1.00; 100 for \$9.00.

WILDER. One of the strongest growers and exceedingly productive. Clusters and berries very large; of attractive bright red color, even when dead ripe. Quality excellent, with mild sub-acid flavor. Ripens early and remains bright and firm until quite late. Very profitable market sort. Bush grows upright and vigorous. Few varieties equal the Wilder in productiveness and vigor.

Price, 2-year No. 1 plants: 10c each; 10 for 90c; 100 for \$8.00.

CHERRY. Red. Berries very large, sometimes measuring one-half inch in diameter. A good grower and must have good cultivation to do well.

Price, 2-year No. 1 plants: 10c each; 10 for 75c; 100 for \$6.00.

RED DUTCH. An old variety, good size berries and clusters, very productive; very hardy. I still recommend this variety.

Price, 2-year No. 1 plants: 10c each; 10 for 90c; 100 for \$8.00.

WHITE GRAPE. While white currants are not as attractive in color when used for preserves, they are as a rule much sweeter and therefore in good demand for a dessert fruit. I find the old White Grape still better than most any other variety. Berries are of medium size, very good quality and very sweet for a currant.

Price, 2-year No. 1 plants: 10c each; 10 for 90c; 100 for \$8.00.

BLACK CHAMPION. Very productive, large bunch and berries, excellent quality; strong grower. Leading black currant.

Price, 2-year No. 1 plants: 10c each; 10 for 90c; 100 for \$8.00; 1000 for \$65.00.

Prophetstown, Ills., Jan. 15, 1917.

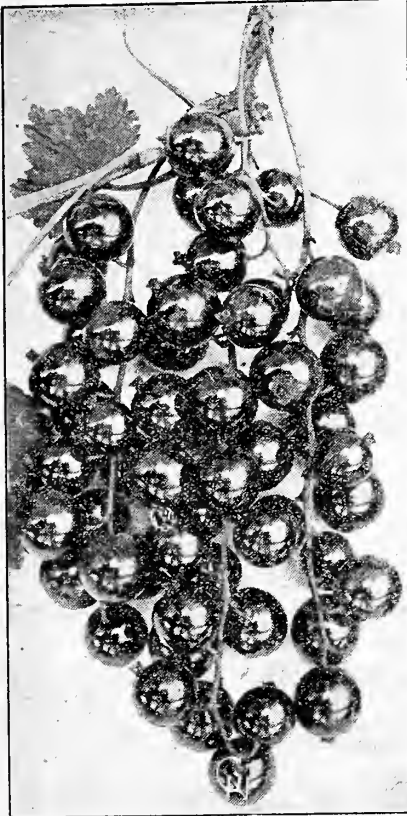
I ordered Black Locust Seedlings of you about six years ago, that was the first. Then ordered two or three times after. I ordered all for my own use on my farm 30,000 of the Black Locust Seedlings and I have a fine Locust grove now.

N. C. Warner.

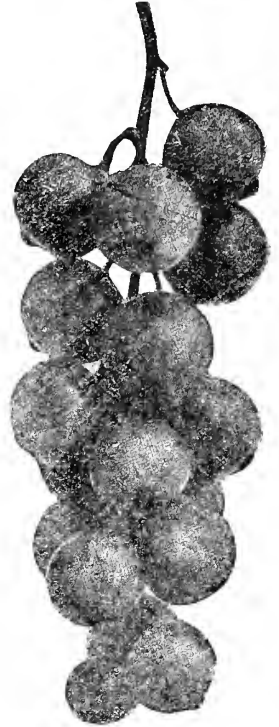
Teutopolis, Ills.

The trees I bought of you two years ago, I must say they are the best I ever bought any place yet, a person might say you can pretty near see them grow, they were only about three feet when we bought them and now they are six. Your seeds too, they are the finest, we just had the finest Cucumbers you ever seen last summer.

Henry Haskenherm.



Fay's Prolific.



Perfection.



White Grape Currant.

BLACKBERRIES.

Blackberries require the same treatment as raspberries. They succeed well on any land suitable for corn or wheat, but amply repay high cultivation. Plant in rows six feet apart and three feet in the row. Pinch the canes back when they have reached about four feet in height, and cut out all the dead wood every year. Cultivate well and deep, or mulch heavily with straw.

A very small plot of ground planted to blackberries will produce more than enough luscious, healthful fruit to supply the average family.

My blackberry Plants are now all raised from root cuttings; insuring strong, well rooted plants, much superior to sucker plants. Please bear this in mind when comparing my prices with those of the other catalogues.

SONDEREGGER'S EARLIEST. This is a seedling found in an old orchard, where there once was a field of Snyder and Early Harvest blackberries, and was first noticed by Arthur Modglin of Illinois, who is a prominent shipper and solicitor of small fruits. It has been grown and tested since 1911, but never were plants offered on the market. I find that this blackberry has more points of merit, than any other blackberry on the market.

First. They are fifteen days earlier than the Early Harvest, or any other blackberry and ten days earlier than any dewberry; ripens before either black or red raspberries and before strawberries are all gone. Ripens in Illinois, May 30.

Second. They are enormously productive, the vines are loaded with fruit to the tips of canes, outyielding Snyder, LaGrange, Blowers or any other.

Third. They are very hardy, never have shown any signs of winter killing in the four years they have been tested until last winter. The season of ripening lasts about four weeks. The great value of this variety is its earliness, productiveness, size, quality, and hardiness of cane. It is unsurpassed by any other variety.

Last winter, which here was very dry and cold (22 degrees below zero) the LaGrange came through the winter much better than our Sonderegger's Earliest; so in a real hard winter, the LaGrange beats it.

Price, first class well rooted plants, 15c each; 10 for \$1.25; 100 for \$10.00; 1000 for \$80.00.

LA GRANGE. This berry is a Russian product, having been brought from that arctic country about fourteen years ago, and has been fruited by Mr. LaGrange in Vermillion County, Illinois, for the past twelve years, and in that time has not received any injury from cold winters. It is the hardest berry yet produced; it grows on canes like Lawton or Snyder, but stems from the ground up, and each fruit stem has ample foliage, each cluster of berries having a leaf. The fruit ripens in the shade, which materially adds to its flavor. Other varieties mostly produce their fruit at the top of their canes, which are almost bare of foliage, and frequently are sun-scalded. When the berries from the first bloom are about two-thirds grown, there comes on a second crop of bloom as profuse as the first; in ripening one cannot tell when the berries from the first blooms end, and where fruits from the second blooms begin, keeping this rotation of blooming up until late in summer, remaining in bearing 50 to 65 days, and classed by some as an everlasting blackberry.

It is enormously productive, one ninth of an acre yielding 571 quarts. Rev. J. R. Reasoner estimated 5,000 quarts per acre on ordinary land and cultivation. This picture shows one branch 2 feet long which contained 503 berries, which created a wide amount of interest among the Fruit Growers' Association at Mankanda, Ills.

The LaGrange is free from any hard core and the berry melts in one's mouth, it is so delicious. Prof. S. A. Forbes says it is more free from disease than any blackberry he has ever seen. No one will make a mistake in planting La Grange, either for home use or market. **Price,** 15c each; 10 for \$1.30; 100 for \$10.00; 1000 for \$80.00.

OHMER. Large, fine flavor, very hardy and productive. Has been planted extensively here lately. **Price,** 6c each; 10 for 50c; 100 for \$4.00; 1000 for \$30.00.

EARLY HARVEST. Very early. Berries medium size and sweet. Splendid for market on account of its earliness. Brings high prices. Should not be planted in Northern States. Does best in Oklahoma and Texas.

Price: Strong plants: 5c each; 10 for 40c; 100 for \$3.00; 1000 for \$25.00.

ELDORADO.

A very vigorous grower and very hardy, enduring severe winters without injury. Fruit is large, borne in clusters.

Price: Strong plants, 5c each; 10 for 40c; 100 for \$3.50; 1000 for \$30.00.

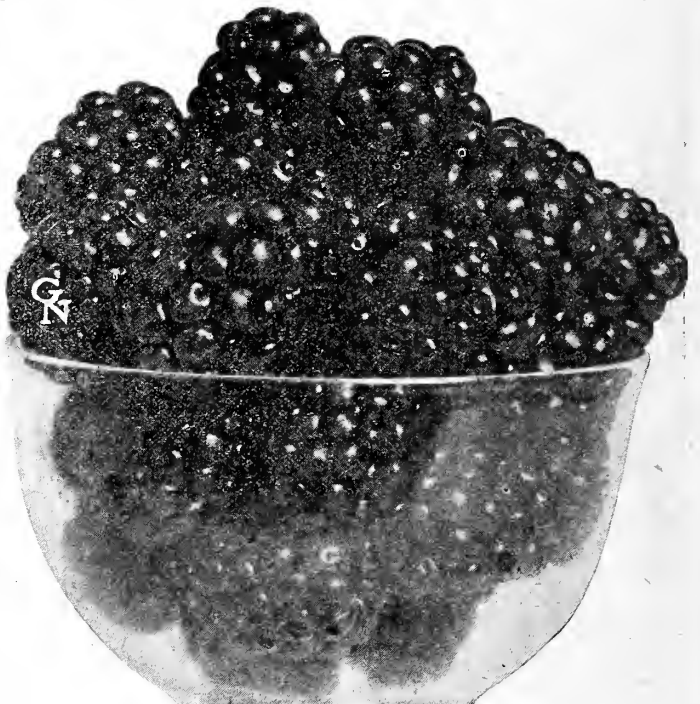
ERIE. Berries large and nearly round, appearing thus even larger than they really are; of good quality. The canes are strong with healthy foliage, hardy, free from rust, supporting heavy crops of fruit. Ripens between Early Harvest and Wilson. **Price,** strong plants, 5c ea.; 10 for 40c; 100 for \$3.00; 1000 for \$25.00.

MERSEREAU. This early, mammoth iron-clad blackberry originated in north-western New York, where the mercury falls to from 15-25 degrees below zero, and the plants have never been injured. Berries are sparkling throughout and remain black under all conditions and circumstances. In quality it is exceptionally sweet, rich, melting and luscious, being without core. As a shipper and keeper it is unsurpassed. The canes are of exceedingly strong, upright habit. Foliage large, abundant and entirely free from rust or blight. Its yield is simply enormous. One of the very best for Nebraska. **Price:** Strong plants 8c each; 10 for 60c; 100 for \$4.00; 1000 for \$28.00.

SNYDER. This is one of the best blackberries for market in the North; very hardy. The canes are vigorous and annually productive. The berries are medium in size, very sweet, juicy and of fine flavor. **Price:** Strong plants, 5c ea.; 10 for 35c; 100 for \$3.00; 1000 for \$22.00.



LaGrange,
Hardy Blackberry.



Sonderegger's Earliest, two weeks earlier than Early Harvest.

JAPANESE WINEBERRY.

This is an entirely new, distinct and valuable berry. It belongs to the raspberry family; is a strong, vigorous grower, attaining the usual height of the raspberry, and is said to be perfectly hardy in all positions without protection. The leaves are of the darkest green on the outside and silvery white underneath. The young shoots or branches are covered with a reddish brown hair of moss. The fruit is borne in large clusters often 70 to 100 berries in a bunch. These berries are, from the time of formation and bloom until they are ripe, enclosed in a "burr" which is caused by the calyx covering them entirely. When ripe the burr opens, exhibiting a large berry of the brightest, light glossy scarlet or cherry wine color. The burrs and stems are covered with a heavy reddish moss, like a moss rose bud. The flavor of the fruit is entirely different from that of any other berry, being very sprightly, sweet and juicy, having no disagreeable sour, but a delicious and luscious flavor peculiar to itself and superior to other berries. It commences to ripen early in July, and continues in bearing for a long time. It is the most prolific berry known, the bushes being literally covered with its luscious fruit. It is propagated from the tips like cap raspberries and dewberries. Does not root sucker.

Price: 17c each; 10 for \$1.40; 100 for \$12.00.

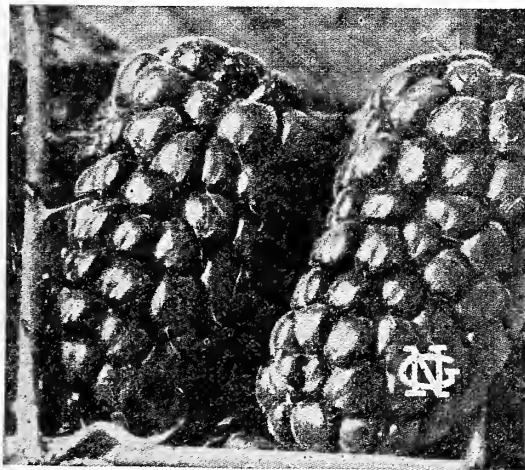


Japanese Wineberry.

THE LOGAN BERRY.

The Logan Berry is a hybrid between the raspberry and blackberry. The fruit is as large as the largest blackberry, and is produced in immense clusters. The color is clear, dark red. It partakes of the flavor of both the blackberry and the raspberry—mild, pleasant, vinous flavor, delicious and peculiar to this berry alone. Seeds small, soft and few. Berries very firm and carry well. Strong grower, enormous bearer. Ripens early, just after strawberries. Not hardy north of the 40th parallel. Do not plant them in Nebraska.

Price: 20c each; 10 for \$1.80; 100 for \$16.00.



Logan Berry.

HIMALAYA BERRY.

I have sold this berry for a number of years and in order to get the facts about this berry I have written to a large number of my customers in different states as to the success they had with this berry. Two-thirds of them are well pleased with the quality and productiveness—some say fruit is very good, but a shy bearer; a few answered, "no good."

As a result of my inquiries I recommend the Himalaya Berry anywhere south of here, and would advise my customers north of here to make a trial with a few plants. I sell the Michigan strain of Himalaya Berry only, as the California strain is not hardy.

The vine is a vigorous grower, often making shoots of 20 to 30 feet in one season. Should be tied to stakes or trellises or can be used for arbors, same as grape vines. The large clusters of good sized berries ripen all summer. Berries have no core and flavor is sweet, of unusual richness and when fully ripe, very melting.

Price: Strong plants, 14c each; 10 for \$1.30; 100 for \$10.00.

DEWBERRIES.

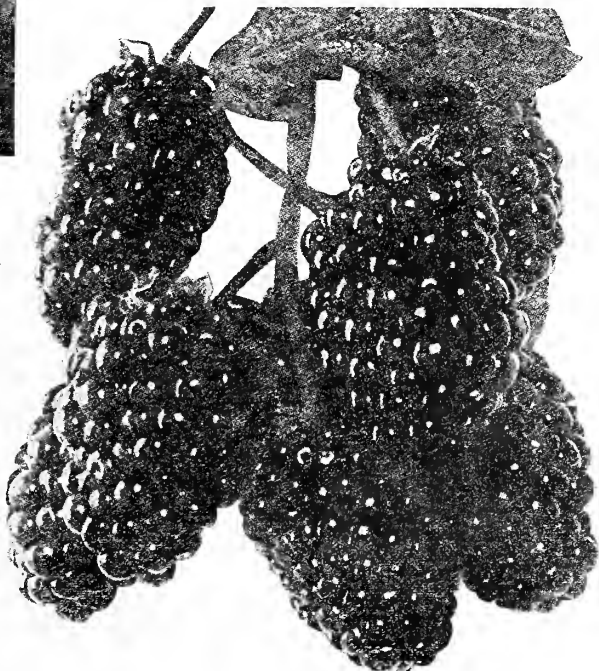
A variety of Blackberry that trails on the ground. In size and quality the fruit excels the Blackberry; very profuse bearer and reasonably hardy. Vines should be covered with straw or earth over winter in cold climates. The fruit of the Dewberry is highly prized as a market fruit, owing to its large size and quality.

LUCRETIA. One of the most widely planted of the Dewberries. It is a strong grower, and exceedingly productive. The fruit is large, luscious and handsome. Glossy, shining black, and ripens from the first to the middle of July, according to the locality.

Price: Strong transplanted plants, 6c each; 10 for 45c; 100 for \$3.00; 1000 for \$24.00.

AUSTIN. Berries very much larger than those of any other Dewberry or Blackberry. It requires no trellis or stakes. The fruit is jet black and of very superior quality and flavor. For productiveness it outrivals all Dewberries.

Price: 8c each; 10 for 65c; 100 for \$5.00; 1000 for \$40.00.



Austin, the best Dewberry out.

RASPBERRIES.

Plant in rows five feet apart and three feet in the row. Will do well in any soil. Cultivate thoroughly and keep free from weeds. Destroy all suckers, cutting out all old wood. My plants are strong and well rooted. There is big money in growing a good red variety for most any market. They have many advantages over the blackcap, as they can stand both cold and hot weather much better. They are easier cared for, selling for more money, and will produce as much fruit as the blacks. They become more popular each season for canning and jams, retaining their flavor for years after preserving.

Black Raspberries do not make sucker plants. They are propagated by covering the tips of the branches with dirt. This makes well rooted plants by fall, but the roots are very soft and spoil much easier even than strawberry roots. They are hard to make grow, a good percentage is always lost in transplanting. I transplant these plants and grow them one year and will after this offer only transplanted Black Raspberry plants. While they are a little higher in price, you will find them much more satisfactory—you will get a perfect stand. I can ship such plants any distance, as the roots are as firm and hardy as those of Blackberry or Gooseberry. In comparing my prices with other catalogs, please bear in mind that I furnish transplanted plants only.

RED VARIETIES.

ST. REGIS EVERBEARING RED RASPBERRY. An excellent novelty. Raspberries four months! That is what you get when you plant the St. Regis, the new everbearing variety. Moreover, they are not only raspberries, but raspberries of the very highest grade—in size, in brilliant crimson color, in firmness, in flavor. The variety has been aptly termed "the early tillate" variety, for it is the first red raspberry to give ripe fruit, while it continues to produce berries without intermission until late October. St. Regis is of pure American blood and of ironclad hardihood. In addition to the brightest crimson color, and large size of the fruit, it is so firm and rich in sugar that it will stand shipping 200 miles, arriving at market in first-class order; and it can be readily kept in perfect condition for several days after being gathered. Unlike any other raspberry, the St. Regis yields a crop of fruit the season it is planted. Plants of it planted in early April gave ripe berries on June 20th of the same year. For four weeks thereafter the berries were large and beautiful, firm and full flavored to the very last. I have tried the St. Regis here in Beatrice. It is hardy here; bears well, and the berries are as described above. See my low price. **Price:** 10c each; 10 for 70c; 100 for \$5.50; 1000 for \$45.00.

Herbert, the hardiest Red Raspberry.

CARDINAL. Originated in Kansas. Vigorous, strong canes with red bark and very hardy wood. Exceedingly productive. Berries are of a purplish red color, very firm, with a pure, rich flavor. Season somewhat late and they hold on well. Does not root-sucker. Plants are propagated from the tips. **Price:** Strong transplanted plants, 7c each; 10 for 60c; 100 for \$4.00; 1000 for \$35.00.

COLUMBIAN. The great raspberry of the age. It is a seedling of the Cuthbert, grown near the Gregg, and is believed to be a cross between the two. It is enormously productive, of large size and excellent quality. Season of fruiting from July 12th to August 15th. It has stood 28 degrees below zero without injury; is propagated from the tips and does not sucker. The color is dark red; adheres to the stem, does not crumble in picking, and is a splendid shipper. **Price:** 7c each; 10 for 60c; 100 for \$4.50; 1000 for \$40.00.

CUTHBERT. A strong growing, hardy variety; stands Northern winters well; berries very large, firm, can be shipped long distances to market; flavor is sweet, rich and luscious. The best late red raspberry. **Price:** 5c each; 10 for 30c; 100 for \$2.50; 1000 for \$20.00.

HERBERT. Originated in Canada. Prof. W. T. Macoun of Ottawa describes it as follows: "A chance seedling, originating with R. B. Whyte, Ottawa, Canada, in 1887. One of 30 seedlings, probably of Clarke. A very strong grower, hardy and very productive. Fruit large to very large, obtusely conical, bright to rather deep red; drupes medium size, not crumbling; moderately firm; sweet and sub-acid, sprightly, juicy and of good flavor. Quality very good. Season begins a few days before Cuthbert. **The best Red Raspberry tested here.** It has all the good points required in a berry for local market, being hardy, vigorous, productive, with fruit of large size, and very good color and quality." I find this raspberry to be exceedingly hardy, of fine quality, one of the best raspberries I have seen, and can recommend it to all my customers. Please note low price for plants of my own growing. **Price:** 12c each; 10 for \$1.10; 100 for \$9.00; 1000 for \$70.00.

MILLER. Very early and hardy and makes a healthy growth of canes. Berries are about the same as Cuthbert in color and quality, but much earlier, fully harder and more firm. Will hang on the bushes several days without getting soft. Best early Red Raspberry. **Price:** 6c each; 10 for 40c; 100 for \$2.50; 1000 for \$20.

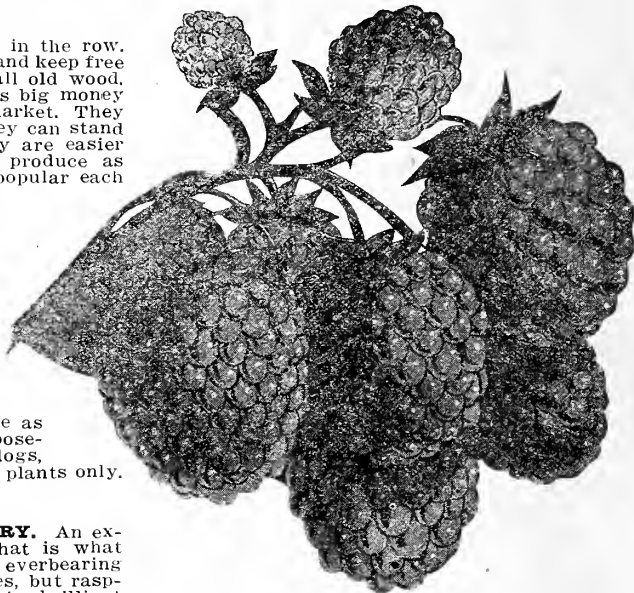
SUNBEAM. Originated by Professor Hansen of the South Dakota State College of Agriculture. It is worthy of trial where raspberries winter kill, as it has endured 41 degrees below zero without protection. It endured

last winter at Bismarck, N. D., without protection.

I find that this raspberry is not quite so large as some other varieties, but of good quality and flavor, and it will bear fruit every year when other varieties freeze out entirely. **Price:** 10c each; 10 80c; 100 \$7.00; 1000 \$50.00.

CAROLINA GOLDEN.

Originated by one of the best European Growers. The berry is large, yellow, firm and sweet. Good bearer and very hardy. It is much superior to the old Golden Queen, both in quality and color. **Price:** 15c each; 10 for \$1.20; 100 \$10.00; 1000 \$80.00.



St. Regis Everbearing Raspberry

Gives Fine Raspberries for Four Months the First Year Planted



Kansas Black Raspberry.

RASPBERRIES.—Continued.

BLACK VARIETIES.

EAEHART EVERBEARING. Actually bears continuously from June 1st until killed by frost in fall. The canes are literally loaded with fruit in all stages from bloom to ripe fruit. The berries are black in color, of good size and very fine flavor. As hardy as any of the Black Raspberries. Creates the greatest surprise when shown at fairs and horticultural societies. Has no equal as an everbearing variety. A great novelty and a valuable one as well.

Price: Strong plants, 10c each; 10 for 90c; 100 for \$7.50.

CUMBERLAND. Very hardy and productive. Berries large, handsome, very firm and stand long shipments. Remarkably free from diseases. The last two years the Cumberland has given me more and larger berries than the Kansas. This variety is also largely planted in Idaho.

Price: Strong transplanted plants, 8c each; 10 for 50c; 100 for \$3.75; 1000 for \$32.00.

KANSAS BLACK. A valuable early blackcap, so strong and hardy as to endure extremes of cold and drought and yet bear heavy crops.

Price: Strong transplanted plants, 8c each; 10 for 50c; 100 for \$3.75; 1000 for \$32.00.

GREGG. This has been the leading market variety all over the country. Best for evaporating. A good, strong, all around black cap of good quality.

Price: Strong transplanted plants, 8c each; 10 for 50c; 100 for \$3.75; 1000 for \$32.00.

STRAWBERRIES.

Strawberry Plants are all quoted at prepaid prices.

These should do well in any ordinary farm or garden soil. The ground should be well prepared. For field culture set in rows three feet apart, and from 12 to 15 inches in the row. For garden 15 inches apart each way. Cultivate well and keep clear from weeds. Cut off all runners as soon as they appear, as fruit will be much larger. In winter a covering of straw or old hay will protect the plant. Do not cover until the ground is frozen. Strawberry plants cannot be shipped by freight to distant points, but should go by express or parcel post to insure safe arrival.

EVERBEARING OR FALL VARIETIES.

Everbearing Strawberries have been largely planted in the last few years with very good success. They have come to stay. They will bring about as good a crop in June as the common varieties and will bear in favorable weather some berries off and on all summer and another good crop in the fall. Only during the hot weather they rest, while in states with cooler and damper climate, they bear steady all summer. I recommend them personally to all my customers, feeling perfectly sure, that they will be well satisfied. My prices are very reasonable.

PROGRESSIVE. Considered by many as the best of the fall bearing varieties. The plants are vigorous and healthy and they multiply all they ought to. The berries are about an inch in diameter, uniform in size, of deep crimson color, very firm and of high quality. It begins to bear with the second early of the June varieties, yields then a heavy crop of nice berries and is really profitable for its June crop alone. It continues bearing all summer, though, not as heavy of course and with favorable weather a good crop in the fall, when the weather gets cooler, again.

AMERICUS. Plant and foliage of good size, but does not make as many plants as other varieties. Berries are medium size to large, bright red and heart shaped. Has very strong fruit stalks, so berries are always well off the ground. Probably the most constant bearer of all, with more of the flavor of the Alpine or Wild Strawberries.

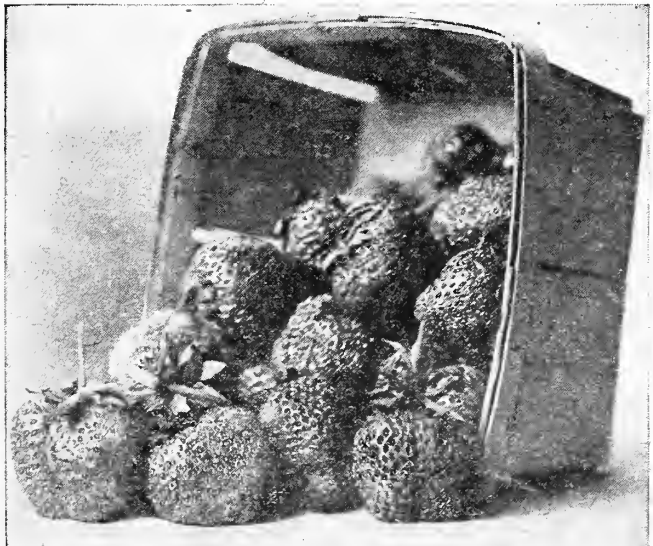
SUPERB. Probably the largest of the fall bearing varieties. They are nearly round, smooth, dark crimson, glossy and of sweet mild flavor. The plants grow well, with clean, dark green leaves and multiply freely. It yields so heavily and the berries are so fine, it is a profitable variety to grow for its June crop alone and it is one of the most prolific and best as a cropper in autumn. Plants set in spring will produce a fine crop of fruit the first year, provided the blossoms are kept picked until the middle of July. I find, though, that some time they will fail to bear the first year after planting.

Prices of all Fall bearing varieties:
5c each; 30c per dozen; 100 for \$2.00;
1000 for \$18.00, by express or parcels
post prepaid.

Bridgeport, Conn.

I wish to thank you very much for the nice Strawberry plants, Americus and Superb. I set them out first week in April and had ripe berries Sept., Oct., Nov., and even in Dec. This was quite a novelty in our vicinity.

Christine Klein.



Americus.

STRAWBERRIES.—Continued.**COMMON VARIETIES.**

The varieties I offer below are all with perfect blossoms and will bear if planted alone, do not need to be mixed with other varieties.

Price of all varieties of Strawberries, except Americus, Superb and Progressive. By parcel post or express, prepaid, 25c per 25; 80c per 100; \$6.00 per 1000.

AROMA, Late, Perfect. Berries very large, bright red to the center, rich, delicately aromatic, firm and a good shipper.

BRANDYWINE, Very Late, Perfect. Blood red, great yielder of large, round berries, fine quality, having a delicious flavor; makes plenty of good, strong, well-rooted plants. If you are looking for a No. 1 canning berry or for table use, we would recommend the Brandywine. A good shipper.

EXCELSIOR, Perfect. A reliable variety with luxuriant foliage that protects the flowers from late frosts. A prolific yielder of large, highly colored berries of fine quality. Especially recommended for home use, and is at its best when planted in hills.

GANDY, Late, Perfect. Considered the best long keeping, and the best shipping berry in the market. On heavy, rich soil the plant is a marvel of vigor and productiveness.

SENATOR DUNLAP, Medium Early, Perfect. This is the most popular strawberry in all sections of the United States. It produces immense crops of dark red, top-shaped berries of medium size to large size. Few varieties bear fruit of such uniform size and color. Stands universally as a leading commercial strawberry and succeeds equally well all over the country.

KLONDIKE, Early, Perfect. The most popular of all Southern varieties. Berries good size, regular shape and very attractive, bringing top prices on any market. Extra valuable for long distance shipping.

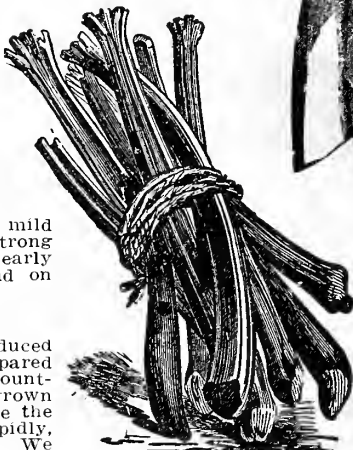
MICHAEL'S EARLY, Early, Perfect. One of the earliest varieties grown. Conical in shape, of a rich crimson color, with a rich, mild flavor and deep pink meat. The plant is strong and healthy; one of the best for fertilizing early pistillate varieties. You can always depend on this one.

HORSE RADISH.

This popular condiment is very easily produced in the home garden and anyone who has compared the freshly dug article with that sold over counters, can appreciate the value of good home-grown horseradish. A half dozen roots will provide the ordinary family, and as it spreads quite rapidly, the source of supply is easily maintained. We furnish good, strong roots. **Price:** 10 for 20c; 100 for \$1.50; 1000 for \$12.00.



Asparagus.



Rhubarb.

RHUBARB OR PIE PLANT.

Also called Wine Plant. This plant affords the earliest material in the spring, for pies and tarts. Invaluable for canning and wine. Can be set out in either spring or fall. Will grow in any good garden soil. Deep, rich, moist soil is best, but it is such a strong, vigorous growing plant, it will al-

most thrive anywhere. Plant in rows four feet apart, and the plants three feet apart. Set so that the crowns are about an inch below the surface. Rhubarb is a gross feeder and the more manure it is given, the larger and finer the yield.

LINNAEUS. Medium size, early and tender.

GIANT. Very early, vigorous grower and of fine quality. Best for canning.

Price, both varieties: Nice, strong two-year-old roots, each 10c; 10 for 90c; 100 for \$7.00; 1000 for \$55.00.

ASPARAGUS.

This earliest and finest of spring vegetables is among the earliest cultivated and most profitable. A bed once planted suffers no deterioration for many years if it is properly attended to and well manured. See that the ground is well manured and is well drained; work it up fine and deep, and make it very rich with well rotted barnyard manure. Place the plants 8 inches apart in rows 3 feet apart. Spread out the roots in a trench made deep enough to permit their crowns to be covered with 3 to 4 inches of mellow dirt. Give bed liberal dressings of manure at intervals.

CONOVER'S COLOSSAL. Produces large, tender shoots. Well-known and largely planted.

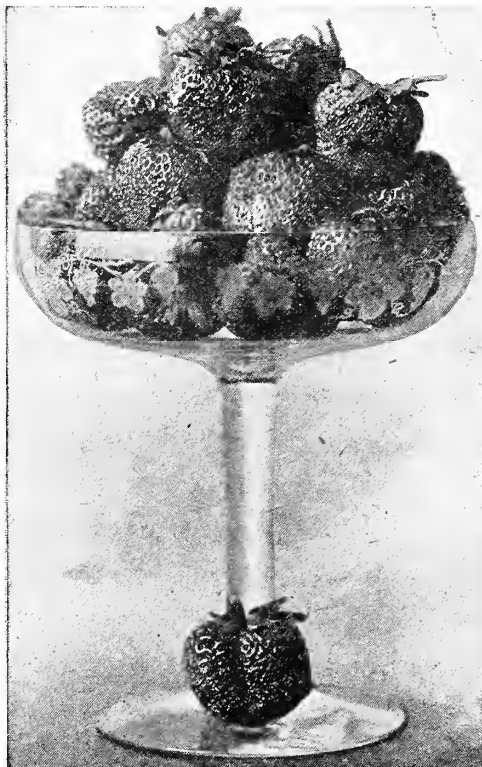
COLUMBIAN MAMMOTH. A distinct variety of mammoth size and superior quality. Remarkable for the clear whiteness of its stalks.

Price, both varieties, two-year-old plants: 10 for 15c; 100 for 90c; 1000 for \$8.00.

Sandoval, New Mexico, Feb. 8, 1917.

I wish to express my appreciation of the trees I bought from you from the year 1913 until 1916. We have a beautiful orchard, one of the finest here in the valley. If you yourself could see our trees you would say that there are no nicer ones. Our peach trees are fine, when they were taken the third year they brought me 136 boxes of saleable peaches from 100 trees. They were sure something nice to see. Our Rome Beauty tree when four years old brought us some fine apples, some of the trees had two boxes of apples, the Rome Beauty is sure a fine apple. Our Sweet Cherry trees are also fine. We have some Everbearing Raspberries from you, they sure are everbearing. Last year we had fruit from June until the Frost came in October.

Mrs. Emile Laplat.



Senator Dunlap.

FOREST TREE SEEDLINGS.

ALL NURSERY GROWN.

During the last 30 years, I have probably grown more Forest Tree Seedlings, than any other Nursery in the West. I know how to grow them, in the best and cheapest way, and having also the right kind of ground and a favorable climate, I can sell first-class seedlings at astonishingly low prices, as you will see below. I invite correspondence from parties wishing to purchase seedlings in large quantities. No farm should be without Forest Trees. The expense is very small, while it pays you well to have shade for your stock, and at least raise your own posts. If I can help you in selecting the right varieties for your climate, please just write to me.

For description of the different varieties, please see under "Ornamental Trees."

			Per 1	10	100	1000
ASH, WHITE	8-12 inch, 1 year seedlings				\$0.30	\$2.60
"	12-18 inch, 1 year seedlings				.40	3.50
"	18-24 inch, 1 year seedlings				.70	6.00
ASH, EUROPEAN MOUNTAIN	18-24 inch, 2 year seedlings		\$0.06	\$0.55	5.00	45.00
BEECH, EUROPEAN	12-18 inch, 2 year seedlings		.05	.40	3.50	30.00
" BLOODLEAF	12-18 inch, 2 year seedlings		.15	1.30	11.00	
BIRCH, EUROPEAN, WHITE	18-24 inch, 2 year seedlings		.05	.40	3.50	27.00
BOX ELDER	4-8 inch, 1 year seedlings				.25	2.00
"	8-12 inch, 1 year seedlings				.30	2.60
"	12-18 inch, 1 year seedlings				.40	3.50
"	18-24 inch, 2 year seedlings				.70	5.80
"	2-3 feet, 2 year seedlings				1.25	10.00
CATALPA SPECIOSA	4-8 inch, 1 year seedlings				.25	2.00
"	8-12 inch, 1 year seedlings				.30	2.50
"	12-18 inch, 1 year seedlings				.45	3.80
"	18-24 inch, 1 year seedlings			.15	.75	6.50
COTTONWOOD	8-12 inch, 1 year seedlings				.25	1.90
"	12-18 inch, 1 year seedlings				.35	2.90
"	18-24 inch, 1 year seedlings				.45	3.70
"	2-3 feet, 2 year seedlings				.70	6.00
ELM, WHITE	4-8 inch, 1 year seedlings				.25	2.00
"	8-12 inch, 1 year seedlings				.30	2.50
"	12-18 inch, 1 year seedlings				.45	3.60
"	18-24 inch, 1 year seedlings			.15	.70	6.50
"	2-3 feet, 2 year seedlings			.25	1.50	12.00
HACKBERRY	8-12 inch, 1 year seedlings			.15	.60	5.00
"	12-18 inch, 1 year seedlings			.20	.90	8.00
"	18-24 inch, 2 year seedlings			.25	1.50	12.00
"	2-3 feet, 2 year seedlings			.30	2.00	16.00
HORSE CHESTNUT, EUROPEAN	18-24 inch, 2 year seedlings		.07	.60	5.00	35.00
LINDEN, EUROPEAN	18-24 inch, 2 year seedlings		.07	.60	5.00	40.00
" AMERICAN	18-24 inch, 2 year seedlings		.05	.50	3.50	30.00
LOCUST, BLACK OR YELLOW	4-8 inch, 1 year seedlings				.20	1.60
"	8-12 inch, 1 year seedlings				.25	2.20
"	12-18 inch, 1 year seedlings				.40	3.50
"	18-24 inch, 1 year seedlings				.80	6.00
"	2-3 feet, 2 year seedlings			.20	1.50	12.00
LOCUST, HONEY	4-8 inch, 1 year seedlings				.25	2.00
"	8-12 inch, 1 year seedlings				.30	2.70
"	12-18 inch, 1 year seedlings				.45	3.90
"	18-24 inch, 1 year seedlings				.80	7.00
MAPLE, SOFT OR SILVER	8-12 inch, 1 year seedlings				.25	2.30
"	12-18 inch, 1 year seedlings				.35	3.50
"	18-24 inch, 1 year seedlings				.70	6.00
"	2-3 feet, 2 year seedlings		.05	.20	1.50	11.00
"	3-4 feet, 2 year seedlings		.06	.50	4.00	35.00
MAPLE, HARD OR SUGAR	12-18 inch, 2 year seedlings		.05	.35	2.50	22.00
MAPLE, NORWAY	18-24 inch, 2 year seedlings		.07	.60	5.00	40.00
MULBERRY, RUSSIAN	4-8 inch, 1 year seedlings				.25	2.00
"	8-12 inch, 1 year seedlings				.30	2.50
"	12-18 inch, 1 year seedlings				.40	3.70
"	18-24 inch, 2 year seedlings			.15	.75	7.00
"	2-3 feet, 2 year seedlings			.25	2.00	16.00
OAK, PIN	6-12 inch, 2 year seedlings		.05	.35	3.00	27.00
OAK, WHITE	18-24 inch, 2 year seedlings		.05	.40	3.50	30.00
OAK, RED	18-24 inch, 2 year seedlings		.05	.40	3.50	30.00
OLIVE, RUSSIAN	6-12 inch, 1 year seedlings		.05	.30	2.50	20.00
"	12-18 inch, 1 year seedlings		.07	.60	5.00	40.00
"	18-24 inch, 2 year seedlings		.10	.80	7.00	50.00
OSAGE ORANGE (Bois d'Arc)	4-8 inch, 1 year seedlings				.20	1.70
"	8-12 inch, 1 year seedlings				.30	2.50
"	12-18 inch, 1 year seedlings				.40	3.20
SYCAMORE, AMERICAN	12-18 inch, 1 year seedlings		.03	.25	2.00	13.00
" EUROPEAN	18-24 inch, 2 year seedlings		.08	.70	6.50	55.00
WILLOW, GOLDEN	2-3 feet, 1 year seedlings		.07	.65	5.00	40.00
WALNUT, BLACK	8-12 inch, 1 year seedlings			.15	1.00	8.00
"	12-18 inch, 1 year seedlings			.20	1.60	13.00
"	18-24 inch, 2 year seedlings		.05	.30	2.50	20.00

CUTTINGS — About 10 inches long.

	Per 100	1000	10000
GOLDEN WILLOW, Description under "Ornamental Trees"	\$0.30	\$2.50	\$20.00
CAROLINA POPLAR	.30	2.50	20.00
NORWAY POPLAR	.30	2.50	20.00
SILVER POPLAR	.30	2.50	20.00

FRUIT TREE AND ROSE SEEDLINGS.

Some of my customers wish to propagate some fruit trees themselves, and for those I offer, here, seedlings, same as I use in my Nursery. All but the apple and peach seedlings are imported from France and generally reach me in January, and I can make shipment from that time on. I plant thousands of these in my Nursery,—they are not hard to make grow, as I import only first-class seedlings.

Apple and pear can well be root-grafted while it is much better to bud cherry, plum, peach, apricots and roses. Pear on quince stock take also better if budded. For large quantities, please write for special prices.

Prices:	Per 1	10	100	1000
APPLE , from French Crab seed, 1 year No. 1 seedlings.....	\$0.04	\$0.30	\$2.00	\$16.00
" from French Crab seed, 1 year No. 2 seedlings.....		.20	1.50	11.00
" Doucine, No. 1 seedlings.....	.05	.40	3.00	28.00
" Paradise, No. 1 seedlings.....	.05	.40	3.50	30.00
PEAR , Japanese, No. 1 seedlings.....	.05	.40	3.50	28.00
CHERRY , Mahaleb, No. 1 seedlings.....	.05	.40	3.00	25.00
PEACH , 18-24 inch, seedlings.....	.06	.50	4.00	35.00
" 2-3 feet, seedlings.....	.07	.60	4.50	40.00
PLUM , Myrabolan, No. 1 seedlings.....	.05	.40	3.60	30.00
QUINCE (for Dwarf Pear), No. 1 rooted layers.....	.05	.35	3.00	24.00
ROSE , Canina, No. 1 seedlings.....	.05	.45	4.00	35.00
" Manetti, No. 1 seedlings.....	.05	.45	4.00	35.00

I am offering Japanese Pear seedlings, grown in Kansas and largely used by Nurseries. It seems impossible to get any Pear seedlings from France this year.

ORNAMENTAL AND SHADE TREES.

On this and several pages following I give a list of trees of which most are hardy and can endure the dry weather of the West. All these trees have been raised in the Nursery, are well pruned and have good bodies and tops. All have been transplanted once, and have therefore good roots. My prices are so low that anyone can afford to beautify his home. For one-year seedlings of these varieties see page 27.

If you will send me a plat of your grounds, I may be able to help you plan the arranging and planting of shrubs and trees on your grounds. Most of these trees are too large to go by parcel post.

ASH. (White.) *Fraxinus Americana*. A rapid growing native tree, of fine symmetrical outline. Very hardy and drought resistant. Good street or park tree.

Price of White Ash:	Per 1	Per 10	P. 100
4- 5 feet trees, well pruned.....	\$0.14	\$1.20	\$10.00
5- 6 feet trees, well pruned.....	.18	1.75	15.00
6- 8 feet trees, well pruned.....	.32	3.00	27.00
8-10 feet trees, well pruned.....	.65	5.80	49.00
10-12 feet trees, well pruned.....	1.30	12.00	100.00

OAK-LEAF MOUNTAIN ASH. A large tree of fine pyramidal habit. Attains a height of 25 to 30 feet. A strong growing tree with smooth bark, deeply lobed foliage, resembling the oak leaves. Light green on upper side, and downy whitish below. Like all Mountain Ash it bears clusters of red berries. Tree very hardy; succeeds well in Nebraska and is hardy in South Dakota. **Price:** 4-5 feet trees, 30c each, 10 for \$2.50; 5-6 feet trees, 45c each, 10 for \$3.50.

BECHTEL'S DOUBLE-FLOWERING CRAB. (*Pyrus Coronaria*.) Probably the best of the many varieties of flowering crab. Very hardy, thriving in most any soil, covered in the spring with large, beautiful, double, fragrant flowers of a delicate pink color. Suitable for a lawn tree or for a group. **Price:** 4-5 feet trees, 70c each, 10 for \$6.00.

BIRCH, EUROPEAN. (*Betula Alba*.) A graceful tree with silvery white bark and slender branches. When a few years old, of an elegant drooping habit, rendering trees very effective in parks or on lawns. Hardy as far north as the Dakotas.

Price:	Per 1	Per 10	P. 100
4- 5 feet trees.....	\$0.40	\$3.50	\$30.00
5- 6 feet trees.....	.50	4.50	35.00
6- 8 feet trees.....	.70	6.50	55.00
8-10 feet trees.....	1.00	9.00	.....
10-12 feet trees.....	1.75	16.00	.....

BOX ELDER. Ash Leaved Maple. (*Acer Negundo*.) A small native tree, maple-like in its seeds and ash-like in its foliage. Of spreading habit, rapid growth, very hardy, desirable for street planting, and succeeds in many places where other varieties do not thrive.

Price:	Per 1	Per 10	P. 100
4- 5 feet, nice trees.....	\$0.12	\$1.00	\$9.00
5- 6 feet, nice trees.....	.20	1.75	16.00
6- 8 feet, nice trees.....	.35	3.25	27.00
8-10 feet, nice trees.....	.55	5.00	.....
10-12 feet, nice trees.....	.80	7.50	.....

BLACK CHERRY, WILD. (*Cerasus Serotina*.) One of the most beautiful native ornamental trees. Also valuable for timber and largely planted for this purpose. A strong, straight tree, with dark brown bark, good wide crown and dark green foliage. Flowers are borne in long, loose racemes, and are followed by purple-black fruit. Perfectly hardy, even as far north as North Dakota.

Price:	Per 1	Per 10	P. 100
4-5 feet, nice trees.....	\$0.20	\$1.80	\$16.00
5-6 feet, nice trees.....	.35	3.00	28.00

MOUNTAIN ASH. European. (*Sorbus Aucuparia*.) Hardy tree of medium size, a smooth bark, head dense and regular, covered from July till winter with large clusters of bright red berries. A fine lawn tree and very hardy. **Price:**

	Per 1	Per 10	P. 100
5- 6 feet, nice, well branched.....	\$0.40	\$3.50	\$30.00
6- 8 feet, nice, well branched.....	.60	5.50	50.00
8-10 feet, nice, well branched.....	.75	7.00	60.00
10-12 feet, nice, well branched.....	1.25	11.00	.....



Mountain Ash. View in my garden.

The tree to the left is a European Mountain Ash. To the right along the walk are the taller varieties of Perennial Phlox. Between the walk and the Phlox is a narrow strip of Blue Grass. Walks are made of crushed stone, covered with gravel.

ORNAMENTAL AND SHADE TREES.—Continued.

CATALPA SPECIOSA. Hardy Catalpa. An effective tropical looking lawn tree with very broad, large leaves and fragrant purplish-white blossoms of pyramidal clusters, often a foot long. There are few trees that have been more extensively planted for commercial plantations in the Middle West and the Eastern states. It is hardy, grows rapidly on prairies, resists drouth remarkably well, and has hardly any insect enemies. As a post timber it ranks with the Black Locust and Osage. Experiments have left no doubt as to its resistency to decay. Without doubt for fence post wood it has no equal, and in view of the fact that it can be grown so easily it ought not to require much argument to cause farmers to plant Catalpa where ever it will grow. I do not recommend it for an ornamental tree in Nebraska, while it is allright for posts.

Price of Catalpa Speciosa:	Per 1	Per 10	P. 100
4- 5 ft., nice trees, well pruned.....	\$0.12	\$1.00	\$9.00
5- 6 ft., nice trees, well pruned.....	.18	1.70	14.00
6- 8 ft., nice trees, well pruned.....	.30	2.70	25.00
8-10 ft., nice trees, well pruned.....	.55	5.00	45.00
10-12 ft., well pruned, very strong	1.00	9.00	.....
10-12 ft., 2 inch caliper and over.....	1.50	.....	.....

CATALPA BUNGEI. (Chinese Catalpa.) A dwarf form, only 3 to 4 feet high, twice as broad. It is very useful in formal park work when grafted on stems 5 to 8 feet high, forming a pretty dome shaped head of large, soft, heavy leaves. Elegant for lawns, parks and cemeteries.

Price:	Per 1	Per 10
6 feet trees.....	\$1.00	\$9.00
7 feet and over trees.....	1.25	11.00

We can select trees of same height and form for certain places, so they will match.

BLACK LOCUST, also called Yellow Locust. (*Robinia Pseudacacia*.) A large native tree of rapid growth, valuable for shade as well as quite ornamental. The yellowish white flowers are in long pendulous racemes and appear in June. Wood is very valuable for posts, growing quicker to a given size than any other hard-wood tree. The timber is of very best quality and for posts outlasts, with a few exceptions, all other sorts. The Forestry Division of the Agricultural Department at Washington recommends the Black Locust for timber plantation for Oklahoma, Texas, New Mexico, Kansas, Nebraska and California.

Price of Black Locust:	Per 1	Per 10	P. 100
4- 5 ft., nice transplanted trees.....	\$0.10	\$0.85	\$7.00
5- 6 ft., nice transplanted trees.....	.15	1.40	11.00
6- 8 ft., nice transplanted trees.....	.30	2.50	22.00
8-10 ft., nice transpl. trees, heavy	.60	5.50	48.00
10-12 ft., nice transpl. trees, heavy	1.10	10.00	.....

HONEY LOCUST. (*Gleditsia Triacanthos*.) This is an ornamental native tree of more than ordinary value. Its branches are spreading, forming a broad, rather loose head. The branches and trunk are covered with strong thorns. Is of rapid growth, stands pruning well and is often used for a hedge; its thorns make it almost impenetrable. I do not know of a better tree for western Kansas and western Nebraska.

Price of Honey Locust:	Per 1	Per 10	P. 100
4- 5 feet, well pruned.....	\$0.13	\$1.10	\$9.00
5- 6 feet, well pruned.....	.20	1.80	16.00
6- 8 feet, well pruned.....	.40	3.50	30.00
8-10 feet, well pruned.....	.70	6.50	60.00
10-12 feet, well pruned.....	1.25	11.00	.....

THORNLESS HONEY LOCUST. (*Gleditsia Inermis*.) Same as above except that it is entirely free of thorns and is therefore much more suited for a lawn tree. From seed of a Thornless Honey Locust, only about 25 per cent come thornless and one cannot absolutely tell until such trees are about 2 or 3 years old. This is the reason, that I do not offer small trees of this kind.

Price:	Per 1	Per 10
4-5 feet trees, branched.....	\$0.30	\$2.80
5-6 feet trees, branched.....	.40	3.80
6-8 feet trees, branched.....	.60	5.50

ELM. American White. (*Ulmus Americana*.) A noble native tree of large size, wide spreading head and graceful drooping branches. Easy to transplant; a hardy grower. One of the best park and street trees. Hardy everywhere. I can furnish White Elm trees, all well pruned, well rooted and with good tops, by the carload. Write for prices in large quantities.

Price of White Elm:	Per 1	Per 10	P. 100
4- 5 ft., nice, well pruned trees.....	\$0.10	\$0.90	\$8.00
5- 6 ft., nice, well pruned trees.....	.18	1.60	14.00
6- 8 ft., nice, well pruned trees.....	.35	3.20	28.00
8-10 ft., nice, well pruned trees.....	.60	5.00	46.00

HACKBERRY. (*Celtis Occidentalis*.) Also called American Nettle Tree. A rare native tree, with numerous slender branches which spread horizontally, and thick, rough bark; apple-like foliage, but more pointed and a bright, shiny green. A very desirable tree for street planting. Very hardy and stands our dry weather well.

Price of Hackberry:	Per 1	Per 10	P. 100
3- 4 feet, nice trees.....	\$0.12	\$1.00	\$8.00
4- 5 feet, nice trees.....	.18	1.50	13.00
5- 6 feet, nice trees.....	.25	2.20	20.00
6- 8 feet, nice trees.....	.50	4.00	36.00
8-10 feet, nice trees.....	.70	6.00	56.00
10-12 feet, nice trees.....	1.10	10.00	.....



Catalpa Speciosa in my Nursery. These are transplanted one-year seedlings, cut back within 3 to 4 inches of the ground in the spring. The same summer they made a straight shoot as seen in the picture. My son Charles who has charge of the growing of trees and seeds and his little boy.

ORNAMENTAL AND SHADE TREES.—Continued.

HORSE CHESTNUT. (*Castanea*.) White flowering. A fine, large tree, of compact outline, dense dark green foliage. In June the tree bears in greatest profusion large panicles of white flowers, tinged with red. Very pretty for street or lawn. **Price:** 5-6 feet, 70c each, 10 for \$6.50; 6-8 feet, \$1.00 each, 10 for \$9.00.

MAGNOLIA ACUMINATA. Cucumber Magnolia. Pyramidal tree attaining 60 to 90 feet in height. Flowers yellow, tinted with bluish purple; fruit when green resembles the cucumber, hence the name. Very hardy. **Price:** 5-6 feet, 75c each; 10 for \$6.00.

MAGNOLIA SOULANGEANA. A small tree or large shrub, growing very bushy. One of the hardiest and most popular of the foreign Magnolias. Blooms here in my garden in April. Flowers are large, 3 to 5 inches across, waxy, pure white inside, outside petals pink, or rosy-violet. Very fragrant. Foliage very dense, large, dark green and glossy. In my garden I tie them up with long straw or slough grass, over winter, and in this way they come through in fine shape, and always bloom well. South from here this is not necessary. **Price:** 3 feet bushy plants, with flower buds and ball of dirt, each \$1.60, 2 for \$3.00. These will bloom after transplanting in the spring.

KENTUCKY COFFEE TREE. (*Gymnocladus Canadensis*.) A perfectly hardy tree, with beautiful long, feathery foliage. Always makes a good crown and is, therefore, well adapted for ornamental or shade purposes. Perfectly hardy here. **Price:** 2-3 feet, 15c each, 10 for \$1.20.

EUROPEAN LINDEN. (*Tilia Europea*.) A very pyramidal tree with large leaves and fragrant flowers. A valuable tree for street and lawn planting, developing into beautiful specimens. Extensively planted for ornamental purposes and for bee culture. Rapid growth, not particular as to soil, and perfectly hardy.

Price:	Per 1	Per 10	P. 100
4- 5 feet, nice trees.....	\$0.35	\$3.00	\$28.00
5- 6 feet, nice trees.....	.50	4.50	40.00
6- 8 feet, nice trees.....	.60	5.50	50.00
8-10 feet, nice trees.....	1.00	9.00	.....

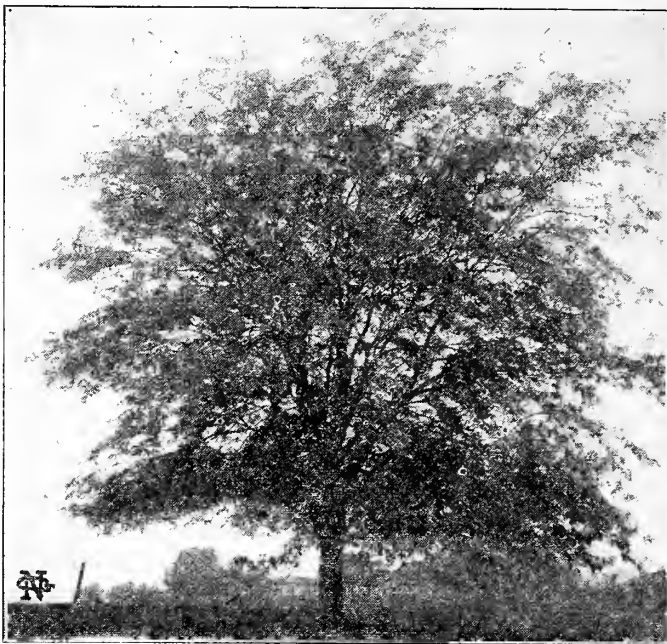
AMERICAN LINDEN. Basswood. (*Tilia Americana*.) Similar to the European Linden. Has large leaves, but does not make as good a crown as the European Linden. Both are excellent street trees.

Price: 6-8 feet, each 70c; 10 for \$6.00; 5-6 feet, each 55c; 10 for \$5.00.

MAPLE, NORWAY. (*Acer Platanoides*.) One of the most beautiful and desirable trees known. Of large size, perfect outline, with deep green foliage, which turns a pale yellow in autumn. Desirable trees for street, park and garden. I have a number of Norway Maple in my garden. They grow faster than hard Maple, do better here in Nebraska; in fact, about as good a shade tree as I have on my grounds.

Price:	Per 1	Per 10	P. 100
4- 5 ft., nice trees, some branches.....	\$0.30	\$2.70	\$25.00
5- 6 feet, with good crown.....	.50	4.50	40.00
6- 8 feet, with good crown.....	.70	6.50	57.00
8-10 feet, with good crown.....	1.10	10.00	.....

MAPLE, SOFT OR SILVER. (*Acer Dasycarpum*.) A native tree of very rapid growth. Hardy everywhere and easily transplanted. Leaves are finely cut, bright green on upper and whitish on lower side. They are not as silvery-white, though, as those of the Silver Poplar, and people often get those trees



Thornless Honey Locust. Fine shade tree, hardy, free of insects. (See page 29.)

mixed, especially as the leaves of the Silver Poplar resemble Maple leaves. If you wish a tree with leaves of silver white on the lower side, order a Silver or a Bolena Poplar. When you order a Silver Maple, you will get what is mostly called a Soft Maple. When quick effect or shade is desired, the Soft Maple is one of the best trees to plant.

Price:	Per 1	Per 10	P. 100
4- 5 feet, well pruned trees.....	\$0.12	\$1.00	\$9.00
5- 6 feet, well pruned trees.....	.17	1.50	13.00
6- 8 feet, well pruned trees.....	.35	3.00	28.00
8-10 feet, well pruned trees.....	.70	6.00	.....
10-12 feet, nice, well pruned.....	1.10	10.00	.....

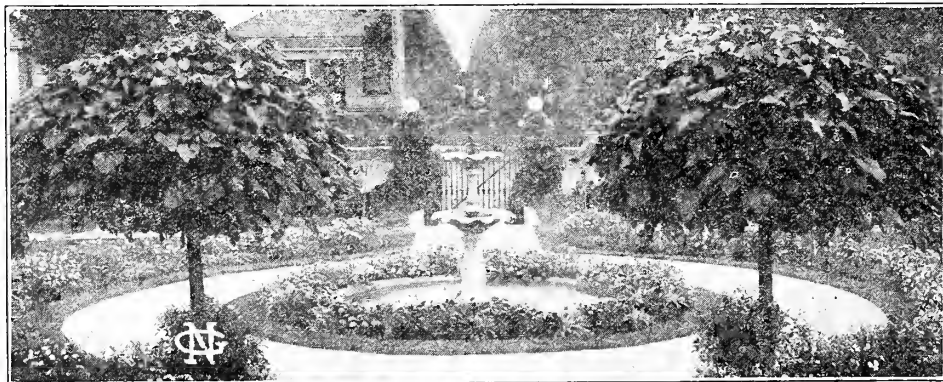
MAPLE, SUGAR OR ROCK. (*Acer Saccharum*.) A popular American tree of pyramidal form. The foliage is large and handsome and of rich, pleasing green, turning to orange yellow and red in autumn. Its upright habit of growth, dense shade and adaptability to different soils has rendered it one of the most extensively used. Valuable for sugar and timber. **Price:** 5-6 ft., 55c each, 10 for \$5.00; 6-8 ft., 80c each, 10 for \$7.50; 8-10 ft., \$1.20 ea., 10 for \$11.00.

CISTENA PURPLE PLUM. Originated by Prof. Hansen of Brookings, S. D. Leaves are reddish purple, holding the color well. A grand ornamental tree and while the fruit is small, it is of good quality. Perfectly hardy. For the northern states this is the best purple leaf ornamental tree. **Price:** 3-4 feet trees 25c each, 10 for \$2.10; 4-5 feet trees, 35c each, 10 for \$3.00.

PIN OAK. (*Quercus Palustris*.) An upright, vigorous growing variety, forming a stately, round topped tree, with long slightly pendulous branches.

The dark green, deeply cut foliage turns to brilliant yellow and crimson shades in autumn, forming one of the best of our fall colored trees. Transplants the easiest of all oaks, and is one of our very finest lawn trees and a desirable avenue tree. I have two fine trees in my garden and many people admire them.

Price: 5-6 ft., 80c each, 10 for \$7.50; 6-8 feet, \$1.10 each; 10 for \$10.00.



Catalpa Bungei, three years old on my home place. (See page 29.)

ORNAMENTAL AND SHADE TREES.

(Continued.)

RED OAK. (*Quercus Rubra*.) An American variety, rapid in growth, with large foliage, which assumes in the fall a purplish scarlet hue. It makes a fine specimen and cannot be too highly recommended for general planting.

Price: 5-6 feet, 80c each; 10 for \$7.50.

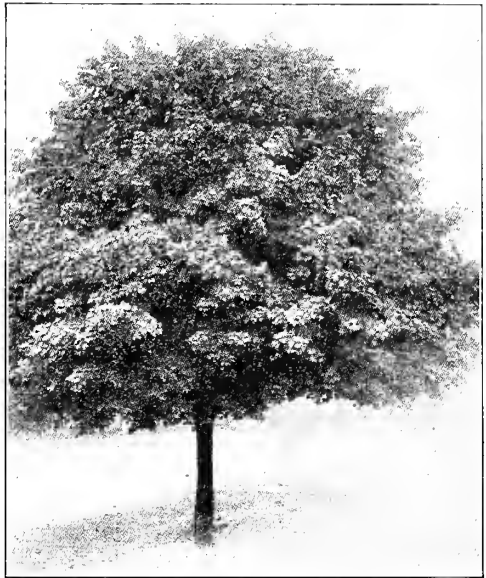
BALM GILEAD. Balsam Poplar. (*Populus Balsamifera*.) Very strongly growing native tree, planted and esteemed for its vigor and hardiness and the resinous fragrance of its large buds in the spring. Leaves broad and heart-shaped, leaf stalk usually hairy and somewhat flattened. It makes a fine street tree and is probably the best of the Poplars for shade. Some people use the buds for medicinal purposes.

Price of Balm Gilead:	Per 1	Per 10
4-5 feet, nice trees, whips.....	\$0.20	\$1.80
5-6 feet, nice trees, whips.....	.30	2.80
6-8 feet, nice trees, whips.....	.50	4.50
8-10 feet, nice trees, 1½ inch caliper.....	.80	

CAROLINA POPLAR. (*Populus Carolinensis*.) One of the most rapid growing trees, with large, handsome, glossy, deep green leaves. Succeeds everywhere; especially adapted to cities, where it makes unusually fast growth and resists smoke and gas. Pyramidal in form, making a spreading head and dense shade when properly trimmed. Makes a splendid windbreak or screen. It is used in larger numbers for street planting than any other tree. Good for Northern Nebraska.

Price of Carolina Poplar:	Per 1	Per 10	P. 100
2-3 feet, whips.....	\$0.05	\$0.40	\$3.00
3-4 feet, whips.....	.06	.50	4.00
4-5 feet, whips.....	.08	.70	6.00
5-6 feet, branched.....	.12	1.10	10.00
6-8 feet, branched.....	.22	2.00	18.00
8-10 feet, branched.....	.40	3.70	32.00
10-12 feet, branched.....	.75	7.00	

NORWAY POPLAR. Sudden Saw Log. (*Populus*.) A very distinct tree in habit of growing and making a straight, upright, somewhat pyramidal head. The foliage is large, thickly borne, bright and glossy. It grows rapidly in almost every soil, and yet it possesses strength and durability which most of the Poplars lack. For city planting it is superior to most of the other poplars as it resists smoke and dust better. It is claimed that this tree will mature a log 2 feet in diameter in 16 years, making quicker growth than any other tree adapted for the Middle or Northern states.



Norway Maple. (See page 30.)

Price of Norway Poplar:	Per 1	Per 10	P. 100
2-3 ft., whips.....	\$0.06	\$0.45	\$3.50
3-4 ft., whips.....	.07	.50	4.50
4-5 ft., partly branched.....	.10	.80	6.50
5-6 ft., branched.....	.15	1.20	10.00
6-8 ft., branched.....	.27	2.50	22.00
8-10 ft., branched.....	.50	4.50	40.00
10-12 ft., branched.....	.80	7.50	

SILVER POPLAR. (*Populus Alba*.) Quick growing tree, with spreading outline; leaves dark, glossy green above and silvery white below. Hardy everywhere. Of great value in farm and private forestry, much more so than the Soft or Silver Maple. It is perfectly hardy anywhere and is especially largely planted in Wyoming. An ornament to any lawn.

Price:	Per 1	Per 10	P. 100
2-3 feet.....	\$0.08	\$0.70	\$6.00
3-4 feet.....	.13	1.20	10.00
4-5 feet.....	.20	1.70	15.00

VOLGA POPLAR. A new, hardy poplar from Russia. The tree is an upright grower, similar to the Lombardy Poplar. The branches are much stronger, however, and the leaves are larger, of better form and deeper green. Perfectly hardy, of strong vigorous growth. A tree of this variety transplanted on my home grounds last spring made new shoots five feet in length. Perfectly hardy, even in Minnesota or South Dakota.

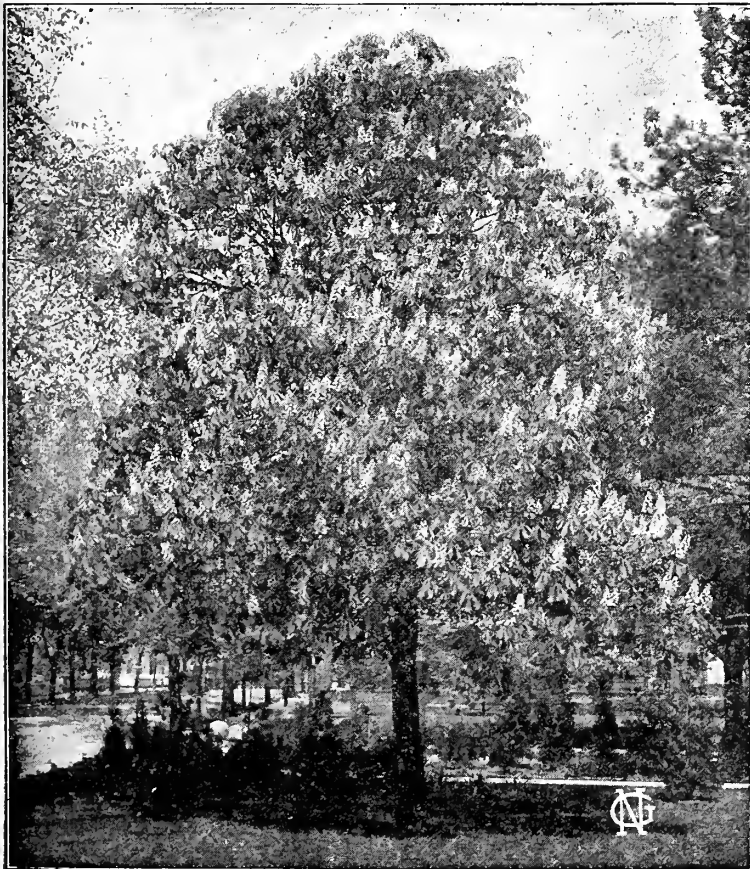
Price: 5-6 ft., mostly branched, 20c each, 10 for \$1.70, 100 for \$15.00; 6-8 ft., well branched, 38c each, 10 for \$3.30, 100 for \$30.00; 8-10 ft., well branched, 60c each, 10 for \$5.50, 100 for \$50.00.

BOLENA POPLAR. Somewhat similar to Silver Poplar. The sharp cut leaves are pure white on the lower and a dark green on the upper side. Never makes sprouts from roots. Hardy everywhere.

Price: 4-5 ft., 30c each, 10 for \$2.80; 5-6 ft., 40c each, 10 for \$3.70.

RED BUD. Judas Tree. (*Cercis Canadensis*.) A very ornamental native tree of medium size, with perfect heart-shaped leaves and hardy even in Canada. Blooms early in the spring, before the leaves appear, covering the branches with small reddish-purple flowers. Hardy and does well also on wet land.

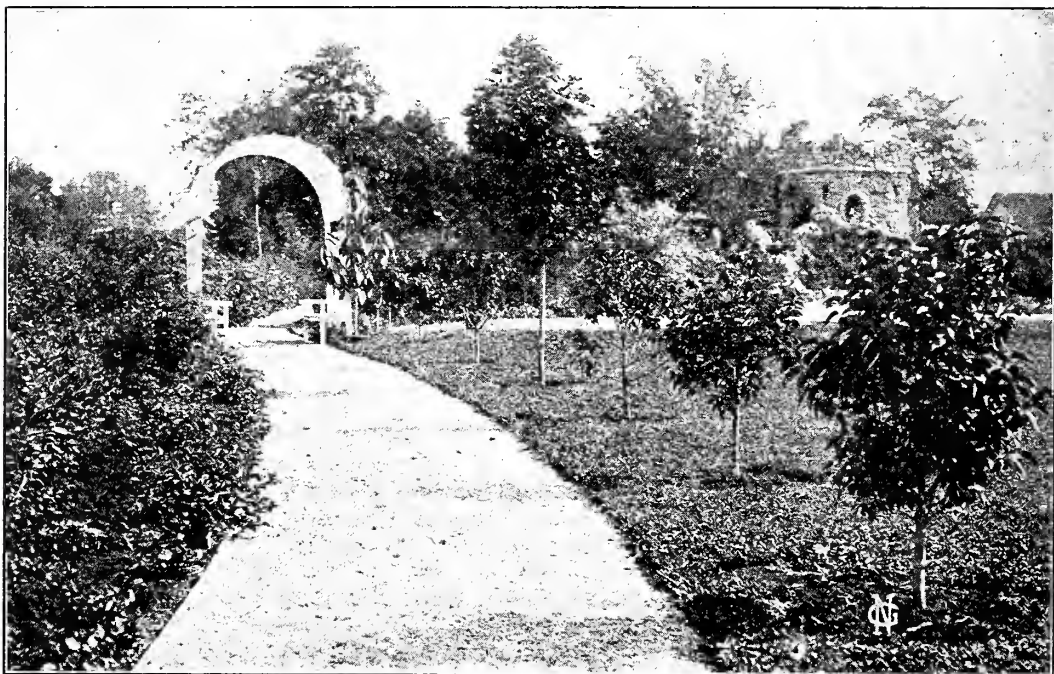
Price, 4-5 ft., 45c each, 10 for \$4.20; 5-6 ft., 75c each, 10 for \$6.50.



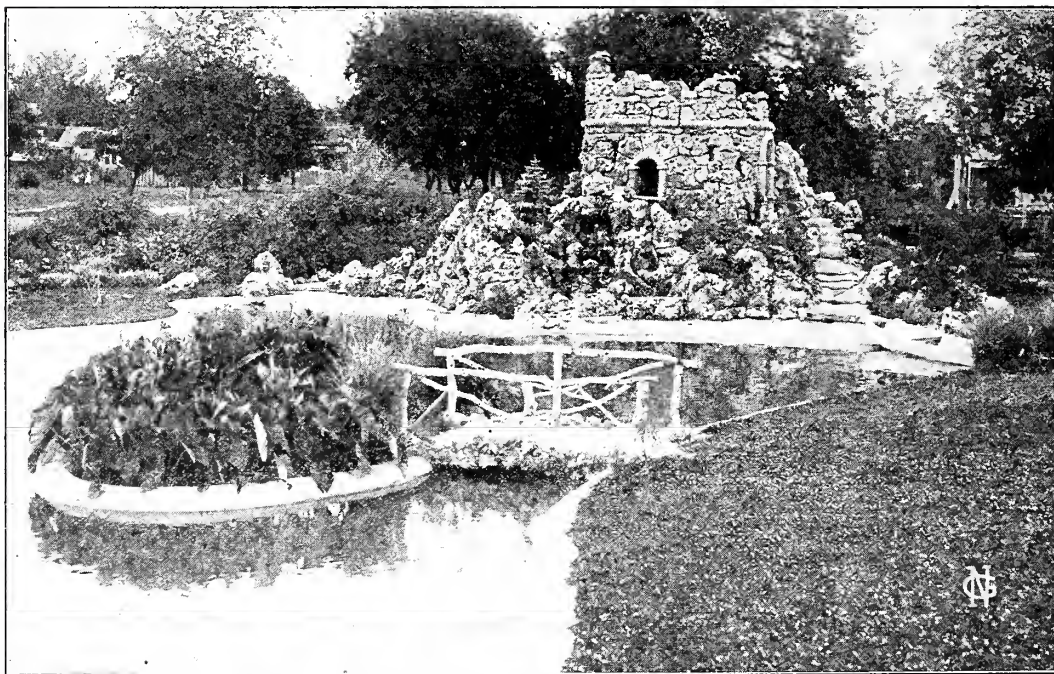
Horse Chestnut in Bloom. (See page 30.)

ORNAMENTAL AND SHADE TREES.

(Continued.)



Walk in my garden. Shrubs to left are Forsythias and Purple Leaved Barberry. Little trees to right, Tree Lilacs; the taller tree a Norway Maple. The covered seat is now entirely overgrown with Dakota grapes. The walk is 5 feet wide, made of crushed rock and covered with gravel.



Corner in my garden. On the little island are planted Caladiums on the outside, inside Cannas; Lawn, Kentucky Blue Grass and White Clover. See description and prices under Grass Seeds. The small building is a partial reproduction of a castle-ruin near my old home in Switzerland. A rockery of this kind gives one a chance to display plants found in rocky places. In one corner of the pond I grow several kinds of Water Lilies and Lotus.

ORNAMENTAL AND SHADE TREES.—Continued.

RUSSIAN OLIVE. (*Elaeagnus*.) A beautiful lawn tree, with spreading top; nearly black shining bark, and silvery-white, long narrow foliage. The small yellow blossoms have a wonderful fragrance. The exquisite perfumes are carried long distances in the air. Fine if planted in a group with green leaved trees, among shrubbery, or as a lawn tree. Hardy as far North as Canada. Can also be used as a hedge or screen, as it stands pruning or shearing well. See under plants for hedges and screens, page 37.

Price:	Per 1	Per 10	P. 100
3- 5 feet	\$0.35	\$3.20	\$27.00
5- 6 feet .....	.40	3.80	32.00
6- 8 feet .....	.55	5.20	.....
8-10 feet .....	.80	7.50	.....

SYCAMORE, AMERICAN. (*Platanus*.) Noble, upright growing tree, with spacious head and large deep green foliage. A free grower and very desirable for park or street planting. It is not hardy, though, north of here, and I cannot recommend it even for the middle of Nebraska. **Price:** 6-8 feet, 45c each, 10 for \$4.20; 5-6 feet, 30c each, 10 for \$2.80, 100 for \$20.00.

ORIENTAL SYCAMORE OR PLANE TREE. (*Platanus Orientalis*.) Rapid grower, broad topped with large leaves, producing the finest headed tree in our list. Is especially adapted for street planting in smoky cities. Entirely free from fungus, worms and insects, not strictly hardy in Nebraska. Should do well as far north as the middle of Kansas. **Price:** 4-5 feet, 35c each, 10 for \$3.20; 5-6 feet, 50c each, 10 for \$4.50.

THORN, PAUL'S DOUBLE FLOWERING. (*Crataegus*.) A beautiful small tree with spreading, spiny branches. Very hardy and will thrive everywhere, even in dry soil. The pretty flowers are bright scarlet, very showy and double. Should be planted freely. **Price:** 4-5 feet, 65c each, 10 for \$6.00.

SIBERIAN PEA TREE. (*Caragana*.) An extremely hardy shrub or low tree, originally from Siberia. The branches have small, sharp thorns. It bears beautiful yellow flowers: its seeds are said to be valuable for poultry and culinary uses. Will grow anywhere, and we especially recommend it for the North, as it is perfectly hardy, even in Canada. A fine plant for a hedge. Price for Siberian Pea Tree, small plants, suitable for hedges, see page 37. **Price:** 3-4 feet, 25c each, 10 for \$2.00, 100 for \$18.00.

RED BARK WILLOW. (*Salix Britzensis*.) Six years ago I purchased two of these willows, 4-5 feet size, in Connecticut and set them in my garden. They have grown fine. In the winter the bark of the branches turns into a deep red color, contrasting effectively if planted with the Golden Willow. One of these two trees now is 13 inches, the other 10 inches in diameter above the ground, thus proving to be one of the fastest growing trees in Nebraska. Same as the Golden Willows, the branches spread well and make a beautiful shade tree. Healthy, hardy, vigorous here.

Price:	Per 1	Per 10	P. 100
3-4 feet, 1 year old trees.....	\$0.10	\$0.90	\$8.00
4-5 feet, nice trees.....	.15	1.40	12.00
5-6 feet, nice trees.....	.25	2.30	.....

DIAMOND WILLOWS. I have a limited number of this fast growing Willow. **Price:** 4-5 feet, nice trees, 8c each, 10 for 70c; 100 for \$5.50; 5-6 feet, nice trees, 13c each, 10 for \$1.10, 100 for \$10.00.



Magnolia in my garden. (See page 30.)

GOLDEN WILLOW. (*Salix Aurea*.) An exceedingly showy and pretty variety, with bark of bright golden color, making it very conspicuous during the winter. The catkins also are of yellow color. A handsome tree at all seasons and will make lots of wood in a short time. Very hardy, even in the Dakotas.

Price:	Per 1	Per 10	P. 100
3- 4 feet, without branches.....	\$0.06	\$0.40	\$3.50
4- 5 feet, without branches.....	.08	.70	5.50
5- 6 feet, with crown.....	.13	1.10	10.00
6- 8 feet, with crown.....	.28	2.50	22.00
8-10 feet, with crown.....	.40	3.80	.....

LAUREL - LEAVED

WILLOW. A beautiful, distinct medium-sized tree, 8 to 20 feet high, with shining laurel-like leaves that make it very conspicuous in sunshine. It can be clipped into form like a bay tree; has bright green bark; is beautiful the year round. The tree does well in Nebraska; stood our severe winter three years ago and also last year at 23 degrees below zero without being injured.

Price: 4-5 feet, nice trees, 18c each, 10 for \$1.50, 100 for \$12.00.

5-6 feet, nice trees, 25c each, 10 for \$2.20, 100 for \$18.00.

6-8 feet, nice trees, 35c each, 10 for \$3.20.

JAPAN WALNUT. See description, page 16. A fine shade tree for the lawn.

Price: 5-6 feet, 50c each, 10 for \$4.70.



Find enclosed a picture of my homestead. The trees are from your Nursery (Norway and Carolina Poplar, 3-4 feet high when planted) and planted in spring 1913, picture taken 1915. — Yours truly, W. C. Ruck, Rudyard, Montana.

WEeping DECIDUOUS TREES.

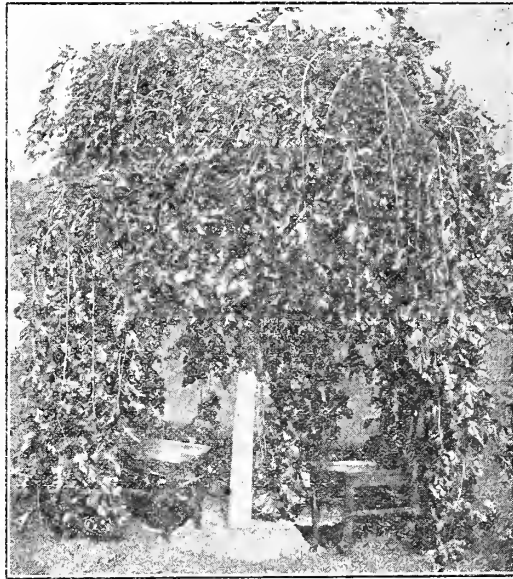
The trees form objects of great beauty when planted as single specimens on lawns, in the front yard, and especially when used for cemetery decorations. Also of great value for covering arbors. All are invaluable for the variety they add to landscape and garden. My list embraces the best varieties. A few Thurlow Weeping Willows planted near a pond make a beautiful sight. This willow will grow its branches to the water in 2 years.

TEAS' WEEPING MULBERRY. (Morus.) The most graceful hardy weeping tree in existence. Forms a perfect umbrella-shaped head, with long, slender, willowy branches, drooping to the ground. It has beautiful foliage, is wonderfully vigorous and healthy; is one of the hardiest enduring the cold of the North and the heat of the South; safe and easy to transplant; admirably adapted for ornamental, small or large grounds, or for cemetery planting. Fine, strong trees, grafted 5 to 6 feet high. **Price, \$1.50 each.**

WEEPING MOUNTAIN ASH. (Sorbus.) One of the best known and most popular weeping trees. It is of easy culture, great hardiness and thrives in all soils. Its straggling branches, twisting and turning in every direction, with no training whatever, make a most picturesque and novel sight. Covered during autumn with bright red berries. It is the best tree for the North of the extreme pendulous type. Splendid lawn tree. Grafted 6 feet high. **Price: \$1.50 each.**

CUT-LEAF WEEPING BIRCH. (Betula.) This magnificent tree is, without question, the most popular and the most planted of all pendulous or so-called weeping trees. It is a tall, slender tree, yet with vigorous growth. It has an erect central trunk, somewhat pyramidal in shape, with graceful, drooping branches and glistening silvery white bark. The foliage is fine, thin, deeply and delicately cut, and of a beautiful shade of green. The whole tree presents a soft and delightful effect not found in any other hardy ornamental tree. **Price: 5 to 6 feet trees, 90c each.**

CAMPERDOWN WEEPING ELM. Its vigorous branches which have a uniform habit, over-lap so regularly that a compact, roof-like head is formed. Leaves are large, and a rich, glossy dark green. Tree a strong, vigorous grower. One of the best weeping trees. It can be trained to form an arbor if desired. The peculiar characteristics of this tree make it very popular and valuable for the lawn. Hardy everywhere and not particular as to soil. With age the weeping branches will eventually sweep the ground and enclose a shady place as effectively as an arbor. This tree thrives splendidly in our state and is adapted more for homes or parks; for the cemetery lot it gets too large. Grafted 6 ft. high. **Price: \$1.50 ea.**



Teas' Weeping Mulberry in my garden.

In order to get this tree to form a small room, I cut the inside branches, that are drooping to the ground, back to where they make the downward bend, being careful to cut just a little ahead of an outside bud; the next limb will grow out of this bud and will be 8 or 10 inches farther out than the one I cut off. The new shoots generally grow clear to the ground before fall. In a few years one can form quite a little room; enough for a dinner party of 5 or 6 persons. Besides it is interesting to watch the tree grow according to your wishes. The pruning should only be done once every year. here in April.

THURLOW WEEPING WILLOW. This willow, like the Babylonica, is not grafted or budded; its nature is weeping. Tree vigorous, fast grower, very hardy, and a graceful weeper. The branches are very slender, leaves long, of bright green with lighter shade of green on the lower side. A 5 to 6 foot tree, planted in my little park, spring 1913, was October 15, 1913, 2 inches in caliper, and 11 feet high, with branches drooping to the ground. These trees are not grafted. **Price: 5-6 feet, 40c each, 10 for \$3.70.**

WISCONSIN WEEPING WILLOW. A large tree with long drooping branches, similar to the Babylonica, but much hardier. A good ornamental tree, also excellent for wood in low places. Grows very fast. Branches very good for tying purposes.

Price:	Per 1	Per 10	P. 100
3-4 feet, well rooted.....	\$0.10	\$0.90	\$8.00
4-5 feet, nice trees.....	.15	1.30	12.00
5-6 feet, nice trees.....	.22	2.00	18.00
6-8 feet, nice trees.....	.35	3.20	.....

NIObA WEEPING WILLOW. Resembles the Golden Willow in color of the bark, a pretty golden yellow. Branches are slender, long and well drooping, growing to the ground in a short time. Leaves are a whitish green. Very vigorous grower and perfectly hardy, even in the Dakotas.

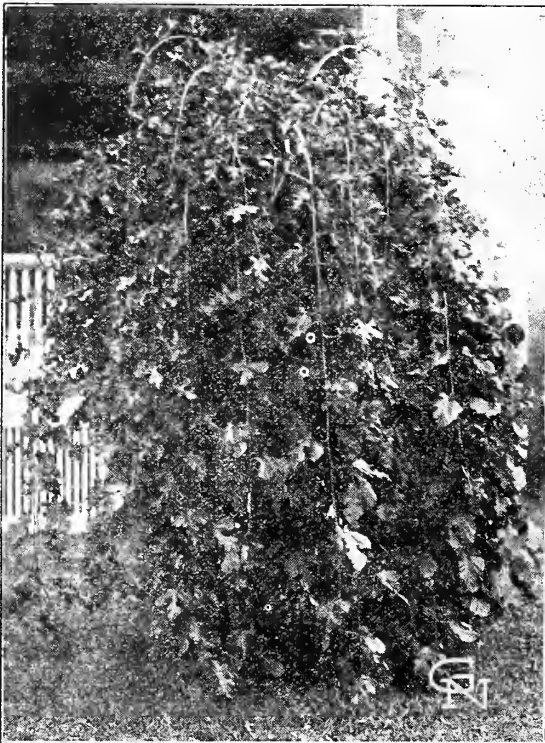
Price:	Per 1	Per 10	P. 100
3-4 feet, nice trees.....	\$0.10	\$0.90	\$8.00
4-5 feet, nice trees.....	.15	1.30	12.00
5-6 feet, nice trees.....	.30	2.80	25.00

Rosebud, N. M., Jan. 18, 1917.

I have received several of your orders and was highly pleased with the trees, and one order was in the freight house three weeks before I got them and still were in as good a condition as when packed. There have been quite a number of tree agents in this country and I have always passed them up knowing full well that I always received the best of stock and most courteous treatment from the Sonderegger Nurseries. M. J. Stege.

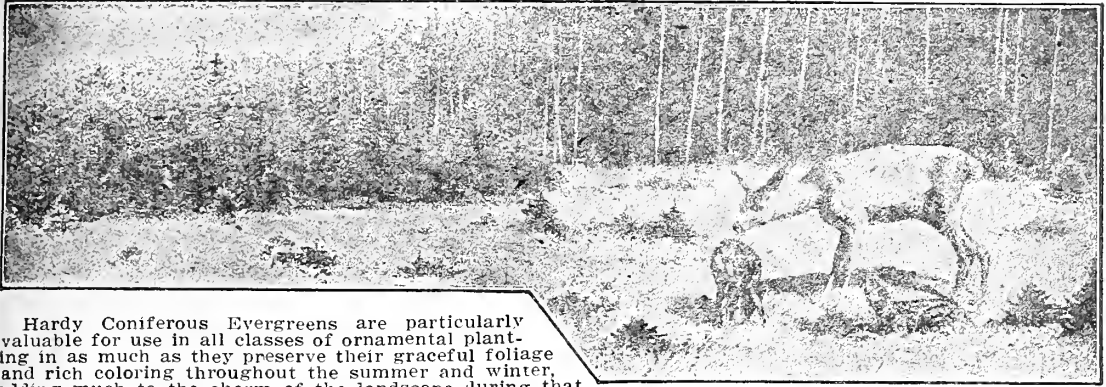
Pevely, Mo., Feb. 12, 1917.

The trees I received from you were the best I ever seen. Half of the price agents asked for them here. The peaches had some on last year and the grapes were loaded. Otto Schultz.



Teas' Weeping Mulberry, same tree as above, before I started to prune it, two years ago.

EVERGREENS OR CONIFERS.



Hardy Coniferous Evergreens are particularly valuable for use in all classes of ornamental planting in as much as they preserve their graceful foliage and rich coloring throughout the summer and winter, adding much to the charm of the landscape during that period when deciduous trees and shrubs are without foliage. The following Evergreens are very hardy and particularly adapted to our Western climate. Evergreens cannot be shipped before April 1st, and should always go by express. For short distance shipments we can pack them in boxes with other trees and send them by freight, but on long distance shipments it is best to send them by express or parcel post. Please do not expect evergreens, packed in with your other trees. They will come separate after April 1st, sometimes a few days sooner.

ARBOR VITAE, AMERICAN. (Thuya.) A well known Evergreen of great value; it forms an upright, conical tree of medium size and is, all things considered, the finest Evergreen for screens, being hardy and easily transplanted. It grows rapidly and with little care, and soon forms a beautiful hedge, very dense and perfectly impervious to the sight. Are widely planted throughout the United States.

Price of Arbor Vitae:	Per 1	Per 10	Per 100
4-8 inch, seedlings	\$0.05	\$0.35	\$ 3.00
12-18 inch, transplanted	0.35	3.00	28.00
18-24 inch, transplanted	0.50	4.50	.....
2-3 feet, transplanted	0.70	6.50	.....

CHINESE ARBOR VITAE. (Thuya Orientalis.) Similar to the American, but it is claimed to be better adapted for the Middle West. The State Agri-

cultural College, Manhattan, Kansas, recommends it very highly for planting in Kansas.

Price: 6-12 inch seedlings, 7c each; 10 for 55c; 100 for \$4.50; 1000 for \$35.00.

DOUGLAS FIR. (Abies Douglasii.) A beautiful rapid-growing tree, with nice, dark green foliage. It is a splendid tree for lawn planting, and is used in all work where a particularly choice tree is required.

Price of Douglas Fir:	Per 1	Per 10	Per 100
6-8 inch, seedlings	\$0.05	\$0.40	\$ 3.50
12-18 inch, transplanted	0.40	3.50	30.00
1½-2 ft., transplanted	0.65	5.50	.....

BLUE SPRUCE. (Picea Pungens.) The Blue Spruce is the most beautiful of all conifers. Its silver foliage, glistening in the sunlight, makes it surpass in beauty any other Evergreen. It is very hardy; a good grower, will withstand severe winters and excessive moisture, and is very easily transplanted. The Blue Spruce has no equal for lawn and cemetery use.

Price of Blue Spruce:	Per 1	Per 10	Per 100
4-6 inch, as they run in nursery row	\$0.06	\$ 0.50	\$ 4.00
10-12 inch, transplanted, not all blue	0.50	4.80	45.00
10-12 inch, Koster's perfectly blue, grafted and with ball of dirt, transplanted	1.25	10.00	.....
2½ feet, Koster's perfectly blue, grafted, with ball of dirt, twice transplanted	4.50	40.00	.....

BLACK HILL SPRUCE. (Picea Canadensis.) A very hardy Spruce with dark green foliage. Grows somewhat slower than the Norway Spruce, but is much hardier. A fine lawn tree.

Price:	Per 1	Per 10	Per 100
6-8 inch, seedlings	\$0.08	\$0.70	\$ 6.00
12-18 inch, transplanted	0.40	3.80	35.00
1½-2 feet, transplanted	0.70	6.00	.....

NORWAY SPRUCE. (Picea Excelsa.) A lofty tree of perfect pyramidal form, remarkably elegant and rich, and as it gets age, has fine pendulous branches; it is exceedingly picturesque and beautiful. One of the best evergreens for hedges and windbreaks.

Price of Norway Spruce:	Per 1	Per 10	Per 100
4-8 inch, seedlings	\$0.05	\$0.40	\$ 3.00
12-18 inch, transplanted	0.20	1.80	15.00
18-24 inch, transplanted	0.40	3.50	30.00
2-3 feet, transplanted	0.50	4.50	.....

AUSTRIAN PINE. (Pinus Austriaca.) The Austrian or Black Pine is a stout branched tree of rapid growth; branches rather long in proportion to the trunk than most pines. The elegant whorles of branches are densely clothed with deep, blackish green foliage. It is one of the best pines for forming screens. Perfectly hardy and thrives well in dry soil, upon high, bleak hills. Does well in any garden.

Price of Austrian Pine:	Per 1	Per 10	Per 100
5-10 inch, seedlings	\$0.07	\$0.60	\$ 5.00
12-18 inch, seedlings	0.40	3.50	30.00
2-3 feet, transplanted	0.70	6.50	.....



Blue or Silver Spruce.

EVERGREENS OR CONIFERS.—(Continued.)

SCOTCH PINE. (*Pinus Sylvestris.*) A dense growing, broad pyramidal tree with stout, erect shoots and pleasing silver-green foliage. One of the best ornamental forest trees. Grows luxuriantly in most soils. I have quite a number of this pine on my grounds, doing fine.

By Express

Price of Scotch Pine:	Pr 1	Pr 10	Pr 100
6-12 in., seedlings.....	\$0.06	\$0.50	\$ 4.00
12-18 in., transplanted..	0.30	2.70	24.00
18-24 in., transplanted..	0.45	4.00	35.00
2-3 ft., transplanted..	0.60	5.50	.....

JACK PINE. (*Pinus Divaricata.*) The most northern of all American Pines. Extremely hardy and vigorous, withstanding long droughts and hot, dry winds. Of rather irregular growth. Foliage bright green; needles short and stiff.

By Express

Price of Jack Pine:	Pr 1	Pr 10	Pr 100
6-12 in., seedlings.....	\$0.05	\$0.45	\$ 4.00
12-18 in., transplanted..	0.30	2.70	25.00
18-24 in., transplanted..	0.40	3.80	32.00
2-3 ft., transplanted..	0.60	5.00	.....

BULL PINE. (*Pinus Ponderosa.*) Resembles the Austrian Pine, but has much longer needles. A native of Northern Nebraska and the Black Hills. It does well in my garden and can stand dry and cold weather well.

By Express

Price of Bull Pine:	Pr 1	Pr 10	Pr 100
4-8 in., seedlings.....	\$0.05	\$0.45	\$ 4.00
12-18 in., transplanted..	0.35	3.20	30.00
18-24 in., transplanted..	0.55	5.00	.....

RED CEDAR. (*Juniperus Virginica.*) My Cedars are all raised from the seed gathered on the Platte River, in Nebraska. They are very pretty, of dark green color. Being a native of Nebraska, they are exceedingly hardy, and will stand any amount of dry weather. The very best for windbreaks.

By Express

Price of Red Cedar:	Pr 1	Pr 10	Pr 100
6-10 in., transplanted.....	\$0.30	\$2.80	\$25.00
12-18 in., transplanted.....	0.50	4.50	.....
2-3 ft., transplanted.....	0.80	7.50	.....

IRISH JUNIPER. (*Juniperus.*) Forms a dense, close, columnar tree, 15 to 20 feet in height. The branches are regular, very compact and densely covered with rich, deep green foliage. A pretty little tree and very useful in formal work. Succeeds best in well drained soils.



Black Hill Spruce. (Page 35.)

Price of Irish Juniper:	Per 1	Per 10
1½-2 ft., transplanted	\$0.60	\$5.00
2-3 ft., transplanted	0.75	6.50

EUROPEAN LARCH. (*Larix Europea.*) An excellent, upright, rapid growing, pyramidal shaped tree, with drooping, slender branches; foliage light green, soft and graceful in the spring, turning to a golden yellow in the autumn before falling. Unlike most conifers, it is deciduous after the first year, is perfectly hardy and thrives in nearly all situations.

Makes a very handsome specimen for ornamental planting and very valuable for timber. The cones are small and grow upright on the branches.

Price of European Larch: By Express:

12-18 in., transplanted, 35c ea.;
10 for \$3.00; 18-24 inch, transplanted, 50c ea.;
10 for \$4.00.

May 17, 1917. Please be advised that the **Blue Spruce Tree** ordered of you some time ago, arrived the other day in good condition. We are very well pleased with it and desire to thank you for your careful attention to our order.

Aug. Ricketts,
Ansonia, Conn.,
140 Westfield Ave.



A bunch of Evergreens and White Birch in my garden. A green Colorado Blue Spruce in front; next, White Birch and Scotch Pine in the background. The white bark of the Birch contrasts very beautifully with the Evergreens, especially in the winter.

PLANTS FOR HEDGES AND SCREENS.

A hedge to be pretty and effective, must be very dense and well pruned. The thorny varieties that are used to turn horses, cattle and hogs should be planted 8 inches apart, which will make three for every two feet. The ornamental varieties may be planted 12 to 18 inches apart. In planting ornamental hedges, you will get a prettier effect by planting 2 rows, say about 10 inches apart, alternating the plants. Your hedge will look wider and more dense and the plants can develop better. Cut plants back the first year to 2 to 3 inches, second 10 to 15 inches, third year to 24 inches.

THORNY VARIETIES.

OSAGE ORANGE. (Bois d'Arc.) A valuable tree for its timber, posts of this wood being almost indestructible. It should be planted exclusively south of here. It is not hardy north of Nebraska. Stands pruning well and makes a beautiful and effective hedge.

Price: See page 27, under "Forest Tree Seedlings."

HONEY LOCUST. See description on page 27. Has very long thorns and turns cattle and hogs well.

Price: See page 27, under "Forest Tree Seedlings."

COMMON BUCKTHORN. (Crataegus Oxyacantha.) A hardy shrub extensively used in England and the continent for live hedges. Is covered with pretty white blossoms in the spring and red berries in the fall. The Buckthorn does well in Nebraska and is perfectly hardy. Some years ago I planted a hedge of Buckthorn for one of the Beatrice cemeteries. It now is very pretty and seems to stand our climate well.

Price: For 12 to 18-inch plants, 6c each; 50c per 10; \$4.00 per 100; \$30.00 per 1000.

BARBERRY, THUNBERGII. This variety also makes a very good hedge, but will not grow as tall as the Purple Leaf. See full description, page 39. **Price:** 10 to 15 inches, \$10.00 per 100.

BARBERRY, PURPLE LEAVED. See description, page 39. It is perfectly hardy almost anywhere and makes a dense, showy hedge. Leaves stay on very late in the fall. Thorns are not stiff and very short.

Price: 10 to 18-inch plants, just right for a hedge, \$13.00 per 100.

ORNAMENTAL VARIETIES WITHOUT THORNS.

AMOOE RIVER PRIVET. Hardy. Foliage glossy green and holds its color well almost the entire season. Will stand shearing to any extent. Where the California Privet is not hardy the Amoor Privet should be planted. In my garden I have an Amoor Privet hedge 300 feet long, and it came through the last four winters perfectly sound and bloomed fine, while California Privet froze clear to the ground. I recommend this Privet for all the states north of Missouri. It costs a little more, but will stand your climate and will be perfectly satisfactory.

Price: Plants all well branched, 12 to 18-inch, each 8c; 10 for 70c; 100 for \$5.50; 1000 for \$50.00. 18 to 24-inch, 12c each; 10 for \$1.00; 100 for \$7.20. 2 to 3 feet, 17c each; 10 for \$1.40; 100 for \$11.00.

The trees I got of you a few years ago were all fine, peach trees were loaded last year with fine fruit.

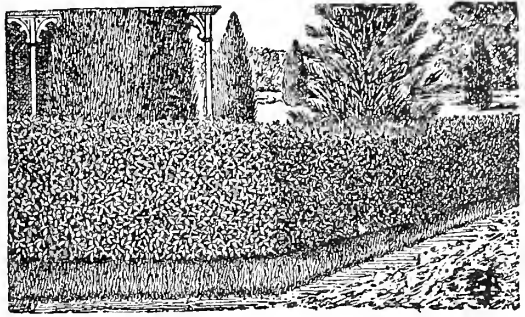
Harry Elston,
Fay, Okla.

R. 2.
1-27-16.

The grapes I ordered from you in 1915 or 1914 every one lived and the 2-year-old No. 1 plants bore fruit 2 months from time they were taken from the depot.

A. B. Smith,
Wellington,
Texas.

R. 3, Bx 14 A.
2-26-17.



California Privet.

CALIFORNIA PRIVET. (Ligustrum.) No plant has come more rapidly and deservedly into public favor. It is of vigorous growth, has glossy dark green foliage, keeping its color until after Christmas. Almost evergreen. Should not be planted where the thermometer goes much below zero. Not hardy in Nebraska.

Price: Plants all well branched, 18 to 24-inch, 6c each; 10 for 50c; 100 for \$3.50; 1000 for \$35.00. 2 to 3 feet, 15c each; 10 for \$1.00; 100 for \$7.00.

RUSSIAN OLIVE. (Full description, see page 33.) It is well adapted for a hedge, and is perfectly hardy anywhere. Should be well pruned every year. I know this hedge will please you. For prices see page 27, under "Forest Tree Seedlings."

RUSSIAN MULBERRY. It is well adapted for hedges or screens. Must be pruned often. See full description and price list on page 27.

SPIREA VAN HOUTTI. This is the best plant for an ornamental hedge that I know of. See description on page 44. Plants for hedges should be set 12 inches apart.

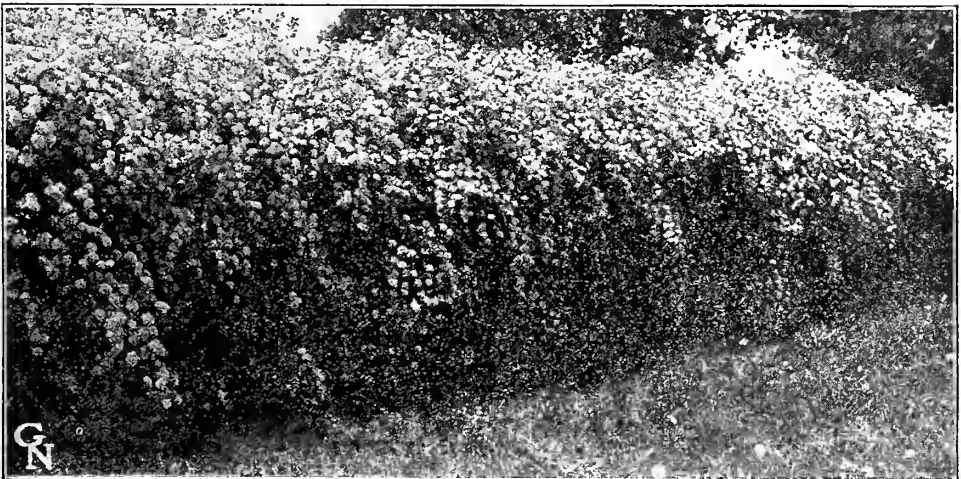
Price: Plants suitable for hedges, about 12-18 inches high, 25 plants for \$3.50; 100 for \$12.00.

SPIREA THUNBERGII. Makes very dense and pretty hedge fence, not over three feet high. See description on page 45.

Price: 12 to 18 inches, 25 plants for \$3.50; 100 for \$12.00. For larger sizes see page 45.

SIBERIAN PEA TREE. (Caragana.) Full description on page 33. Is perfectly hardy, even in Canada, and especially adapted for an ornamental hedge. Stands shearing well and grows very dense. Never looks coarse and on account of its hardness, can be planted on any place wherever desired.

Price: 12 to 18-inch seedlings, 10c each; 10 for 75c; 100 for \$6.00.



Spirea Van Houtti Hedge in full bloom, photographed on my place.

ORNAMENTAL SHRUBS.

There is nothing which so quickly, and for so little cost, adds so much to the beauty, cheerfulness and home-like appearance of a place as an assortment of hardy shrubs. They are permanent improvements which increase in size and beauty year after year. I have a large collection of flowering shrubs in my own garden, now, for 6 years, and can give any kind of information in regard to hardiness and blooming qualities of these for Nebraska and similar climates. If my customers will send me a plat of their grounds to be improved, I will be glad to help in the selection of suitable varieties and their location. Price is for strong, healthy, field-grown plants, two years old and 2 to 3 feet high, unless otherwise mentioned. If these shrubs are wanted in large quantities, please write for prices.

MOSS ACACIA. (*Robinia Hispidula*.) An elegant shrub 5 to 6 feet tall, with light green pinnate leaves and long, graceful clusters of pea-shaped, rose-colored flowers in June, often throughout the summer. The branches are covered with a moss-like growth, similar to Moss Roses. The shrub is hardy here, is beautiful when in full bloom and should be in every garden. Can be raised in tree form if desired. It is easily raised and really a good shrub for any garden. **Price:** Strong, 2-3 feet, 30c each; 3 for 75c.

ALMOND, DOUBLE FLOWERING PINK. (*Amygdalus*.) The Flowering Almonds are pretty dwarf bushes that bloom quite early and are very showy in spring. Their slender, leafless, upright branches are entirely hidden by stemless, very double flowers of pink color, resembling small roses. Grows to a height of 4 to 5 feet and blooms in May. One of the best flowering shrubs and highly recommended for the Western States. **Price:** 2 to 3 ft. 30c each; 3 for 75c.

ALMOND, DOUBLE FLOWERING WHITE. Shrub is very similar to Flowering Almond, Pink, with handsome, double white flowers in great profusion. **Price:** 2 to 3 feet, 30c each; 3 for 75c.

ALTHEA. (Rose of Sharon.) Unsurpassed by any hardy shrub for freedom of bloom. From midsummer until frost, when few other shrubs are in bloom, the Althea blossoms freely. Grows 4 to 6 feet tall. They have rich foliage and bear large flowers. Of the easiest culture and very hardy, thriving splendidly here in the west. As far south as Beatrice, Altheas will freeze to the ground in very severe winters, but will sprout up again in the spring, will not bloom, though, the next summer. To avoid this I cut all my Altheas in my garden back to about 10 inches in the fall and cover with some coarse manure or straw. In this way they come through the winter in fine shape and bloom well the next summer. I have the following varieties:

Banner. Variegated pink and white, of good size, and quite double. In my judgment is one of the most attractive and desirable of the Althea and the most hardy. Does not need protection in Nebraska.

Boule de Feu. Is very double, deep red.

Jeanne de Arc. Double pure white.

Ardens. The familiar double purplish-blue.

Speciosa. Double rosy-pink.

Amplissima. Dark rose, very large double flowers.

Price: Of any of the above varieties, 2-3 feet, 30c each; 3 for 75c, or one each of the 6 varieties for \$1.30.

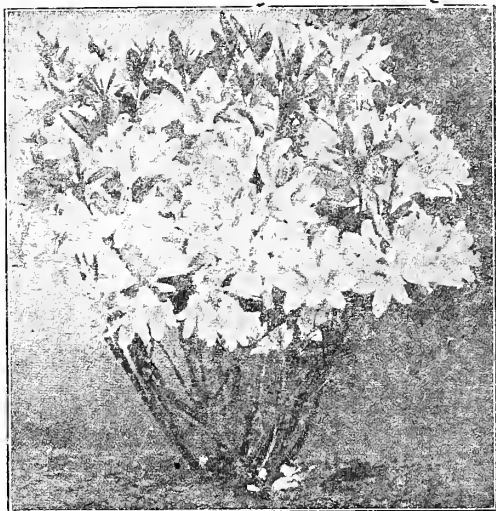
TREE ALTHEA. We can furnish the above varieties in tree form. Nice stocky, well-branched trees.

Price: 4 to 5 feet high, 45c each; 3 for \$1.20. Too large to go by mail.

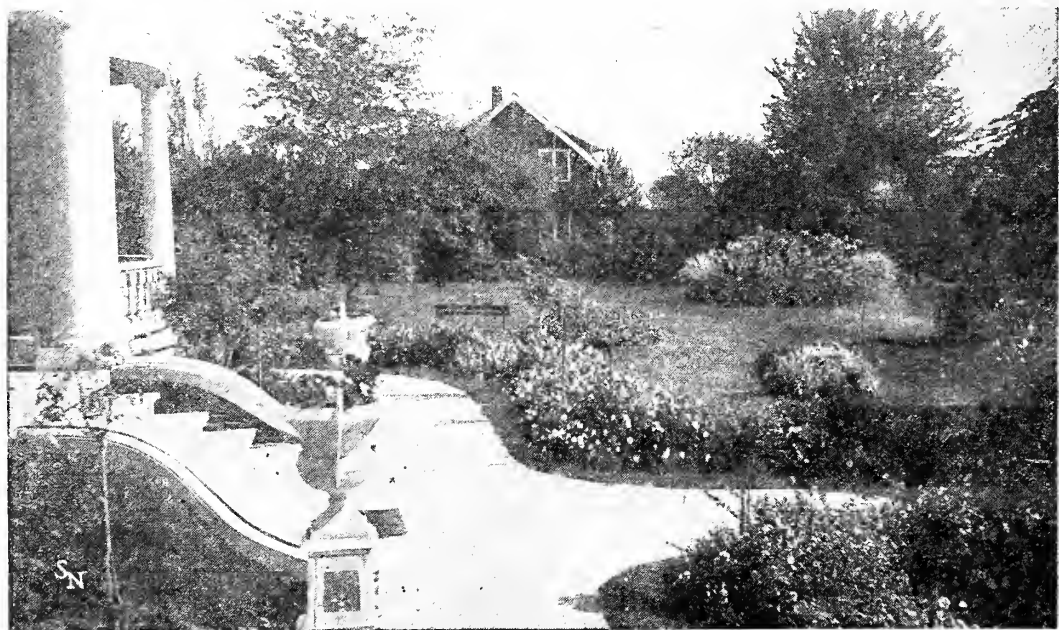
ARALIA JAPONICA. (*Angelica Tree*.) Tall growing shrub or small tree. Desirable in producing a tropical effect. Leaves are very large, pinnate, with prickly stems and spikes of showy white flowers in autumn.

Price: 2-3 feet, 30c each; 3 for 75c.

AZALEA MOLLIS. Showy, low-growing, hardy plants, used extensively in parks and public grounds. The brilliancy of their orange and carmine flowers is not approached by any other hardy shrub. This shrub blooms in splendid showy clusters early in the spring. Should be protected with a layer of straw during severe weather. Thrives best in a moist, well drained soil, either in full sun or partial shade. Plants are about 1½ feet high, with numerous flower buds, which will open well soon after transplanting. Rather heavy to go by mail, as it is shipped with a ball of dirt. **Price:** 75c each; 3 for \$2.00.



Azalea Mollis.



I show here a piece of landscaping, the entrance to my home. Along the walks are Tree Roses and between them Petunias. Large tree to the left a Honey Locust. In the right hand upper corner is a large Canna bed with a border of Pennisetum, an ornamental grass. The large trees in the corner are Red Cedar and Soft Maple. Walks in front of the house and to the road built of cement; all other walks in the garden are gravel.

ORNAMENTAL SHRUBS.—(Continued.)

AMORPHA FRUTICOSA. (False Indigo.) A strong-growing shrub from 6 to 7 feet high, with finger-like spikes of indigo-colored flowers, three or more spikes in a cluster; blooms early in June; perfectly hardy in my garden. **Price:** 2 to 3 ft., 30c ea.; 3 for 75c.

BARBERRY, PURPLE LEAVED. Beautiful shrub, 8 to 10 ft. high, very rich in color of foliage, and especially ornamental in autumn and winter. Leaves dark purple, followed by pretty red berries. Valuable as a hedge plant and very unique and a striking contrast to the greenery of the other shrubs. **Price:** 2-3 ft., 30c each; 3 for 75c. Light plants suitable for a hedge, 10-18 in., 25 for \$3.75; 100 for \$13.00.

BARBERRY THUNEERGI. Japanese Barberry. (Berberis). Invaluable little shrub that fits in with almost every planting. Grows about everywhere, handsome foliage of bright green, oval leaves, that turn to most brilliant shades of orange and red in the fall. Slender, graceful branches, protected by thorns, are lined with little scarlet berries of great attractiveness from early autumn well into winter. Very valuable for a hedge. **Price:** 2 feet, 25c each; 3 for 65c. Light plants suitable for a hedge, 10-15 inch, 25 for \$3.00; 100 for \$10.00.

CALYCANTHUS. The Sweet Scented Shrub or Strawberry Shrub. Also called Chocolate Shrub and Carolina Allspice. Flowers very double, a brownish purple in color and deliciously fragrant. Blooms nearly all summer and is one of the most desirable shrubs. Hardy

and of easy culture. **Price:** 2 to 3 feet, 30c each; 3 for 75c.

THE EVERBLOOMING BUTTERFLY BUSH. (Buddleia Variabilis Magnifica.)

This shrub from a young plant set out either in the spring or fall, will mature to full size the first summer, producing a handsome bush, which the first year often attains a height of four feet. It produces long, graceful stems, which terminate in tapering panicles of beautiful lilac-colored flowers that are of miniature size and borne by the hundreds on a flower head which is frequently 10 inches long. A

single plant the first season will throw out as many as 50 flower spikes, which increase greatly in number during the succeeding years. The foliage and blooms are exceedingly fine. The shrub is rather semi-herbaceous, by which we mean in some latitudes it will die down to the ground and while hardy, I recommend covering the roots with manure, leaves or other suitable material as winter approaches, as this will produce a heavy growth the following season. This shrub is very desirable as an individual specimen in the lawn and garden, or placed promiscuously in the shrubbery border. **Price:** 35c each; 3 for 90c.

CORNUS. Siberian Dogwood. Free growing, 6 to 10 ft. tall and very hardy; forms a small, handsome tree in some situations; its clusters of small, white flowers in early summer are very dainty, and its bark is a showy dark red in winter. All the Siberian Dogwoods bear in early fall a profusion of whitish-blue berries, making them distinctly ornamental after the flowers have gone. A very brilliant shrub in early spring when the bark is intensely colored. **Price:** 2 to 3 feet, 25c each; 3 for 65c.

CORNUS FLORIDA. White Flowering Dogwood. The great white beautiful flowers are 3 inches and more in width, lasting in favorable weather for as many weeks. Besides the fine characteristics given above; the bright red bark on its young growths makes it attractive and cheery in winter. Tree rarely grows over 20 feet in height and is branching in habit. Blooms when it is still quite small. Hardy here. **Price:** 2 to 3 feet, 30c each; 3 for 75c.

DEUTZIA LEMOINEL. This variety forms a small dwarf shrub with spreading branches, usually growing about 3 feet tall. Leaves bright green, 2 to 3 inches long; flowers pure white, in large clusters or panicles. Of vigorous growth, very free flowering and of easy culture. In my garden Lemoinei stands our winter best of all, seldom freezing back in the least. **Price:** 2 to 3 feet, 30c each; 3 for 75c.

DEUTZIA, PRIDE OF ROCHESTER. Has very large panicles of double white flowers when fully open, but a striking pink when in bud. The bush is a very upright grower, vigorous and healthy. Blooms in late June. A splendid hardy variety. **Price:** 2 to 3 feet, 30c each; 3 for 75c.

ELDER, GOLDEN. (Sambucus Aurea.) A variety with golden yellow foliage. A valuable plant for producing contrast when planted with other shrubs. Grows to a height of about 8 feet, and is of vigorous, spreading habit. Berries and flowers same as American Elder. Should have full sun to give best effect. Grows well on all soils and can be pruned into a neat, compact little bush. One of the best golden foliaged shrubs. **Price:** 2 to 3 feet, 30c each; 3 for 75c. 3 to 4 feet, 40c each; 3 for \$1.00.

ELDER, AMERICAN. (Sambucus Canadensis.) Used a good deal in landscaping to attract the birds. See full description and price on page 15.

If you wish Trees or Plants sent by Parcels Post, please figure prices and sizes as quoted on pages 69 to 73.



Althea. (Page 38.)



Everblooming Butterfly Bush.

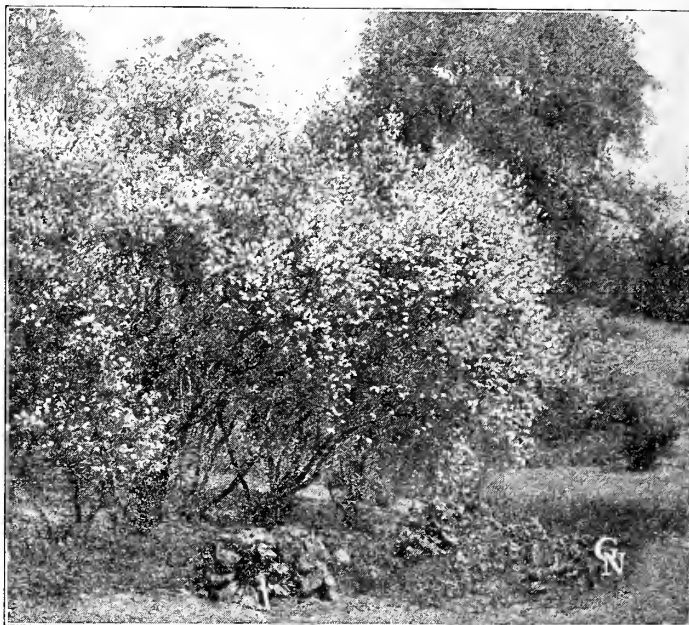
ORNAMENTAL SHRUBS.—(Continued.)

YELLOW FLOWERING CURRANT. (*Ribes Aureum*.) The flowering currants are much prized for their wealth of bright flowers in early spring and their pervading spicy odor. The leaves are glossy green, and turn to brilliant colors in the fall. This variety has yellow, fragrant flowers, followed by dark brown fruits, which are edible. Very hardy. Attains a height of 5 to 7 feet. Early in April, when few trees or shrubs have awakened from their winter's sleep, the Yellow Flowering Currant puts forth its leaves and brilliant colors of bright yellow flowers, loading the air with their sweet fragrance and adding a touch of sunshine to the landscape otherwise dull. **Price:** 2 to 3 feet, 25c each; 3 for 65c.

RED FLOWERING CURRANT. (*Ribes Sanguineum*.) Branches are smooth, red and the young shoots somewhat hairy; flowers purple, red or rose colored; fruit is bluish-black, rough, hairy, dry and rather bitter. Very beautiful when in bloom. **Price:** 2-3 feet, 35c each; 3 for 90c.

FRINGE TREE, PURPLE. (*Rhus Cotinus*.) This is the beautiful Mist or Smoke Tree. One of our handsomest shrubs, growing to tree-like proportions in favorable locations. Its loose, graceful drooping panicles of purple flowers are quite fragrant, and borne in fringing clusters above very large, deep green leaves of thick, feathery texture, giving the bush an appearance of purplish smoke, hence the name, "Smoke Tree." In autumn the foliage turns to shades of reddish-brown. Blooms in June. **Price:** 2 to 3 feet, 30c each; 3 for 75c; 3 to 4 feet, very strong and bushy, 40c each; 3 for \$1.00.

FRINGE TREE, WHITE. (*Chionanthus*.) A very desirable tall growing shrub, foliage dark green, turning yellow in autumn. Flowers pure white, in loose drooping panicles, appear in May and June, followed by small, plum-like berries of bluish color. When in blossom, the tree appears as if it were festooned with the most delicate white lace. There is no other hardy shrub resembling it, and yet it harmonizes well with other planting. It is free from insects or fungus attacks and has dark, handsome luxuriant foliage. **Price:** 1½-2 ft. 30c each; 3 for 80c.



Pearl Bush. *Exochorda Grandiflora*. (Page 44.)

FORSYTHIA. Golden Bell. Few, if any of the spring flowering hardy shrubs can surpass the splendor and brilliancy of the Forsythia. Both the grace and beauty give them a prominent place in all shrub plantations. Of upright, vigorous growth; foliage rich, dark green and lustrous. Flowers brilliant golden yellow, borne in great profusion early in April before the leaves appear. **Price:** 2-3 ft., 25c each; 3 for 65c; 3-4 ft., 35c each; 3 for 90c.

WEeping FORSYTHIA. Drooping Golden Bell. (*Forsythia Suspensa*.) A graceful shrub with long, slender, drooping branches. Leaves dark green and lustrous, persisting until heavy frost. The beautiful flowers come in great profusion, are golden yellow and very showy. Grows about 8 to 10 feet tall. Very odd and interesting and one of the showiest of the shrubs in cultivation. **Price:** 2 to 3 feet, 25c each; 3 for 65c; 3 to 4 feet, 35c each; 3 for 90c.

GLOBE FLOWER, YELLOW. (*Kerria*.) A graceful shrub from Japan, with long, slender branches, clothed with peculiarly rough, sharply cut foliage, bright green in summer and fading yellow in autumn. The double, brilliant golden flowers are borne in profusion throughout the summer. A handsome shrub, growing 4-5 feet tall, of spreading habits with drooping branches. Of strong, vigorous growth. **Price:** 2-3 ft., 30c each; 3 for 75c.

GLOBE FLOWER, WHITE. (*Rhodotyus*.) Same as the above, except that the double flowers are white. Largely planted by landscape architects. **Price:** 2-3 feet, 35c each; 3 for 90c.

The Blue Spruce I purchased of you were as fine as anything I ever saw, and they have done splendidly here in this climate and are in fact the talk of the whole community. I thought the price was a little high, but considering the perfect condition in which they came (as all your goods do), and the way they have grown and the true blue color, I feel that they are very cheap and the best ornamental tree that can be found for this western country. G. E. GOWEY, Powell, Wyo. 7-20-17.

Order No. 5708 is here and I wish to thank you for the pains taken with it. Everything was strictly choice and I was greatly pleased to receive such fine, healthy looking specimens. The package arrived in perfect condition and showed great care on your part. HARRY L. DOWELL, Greeley, Colo.

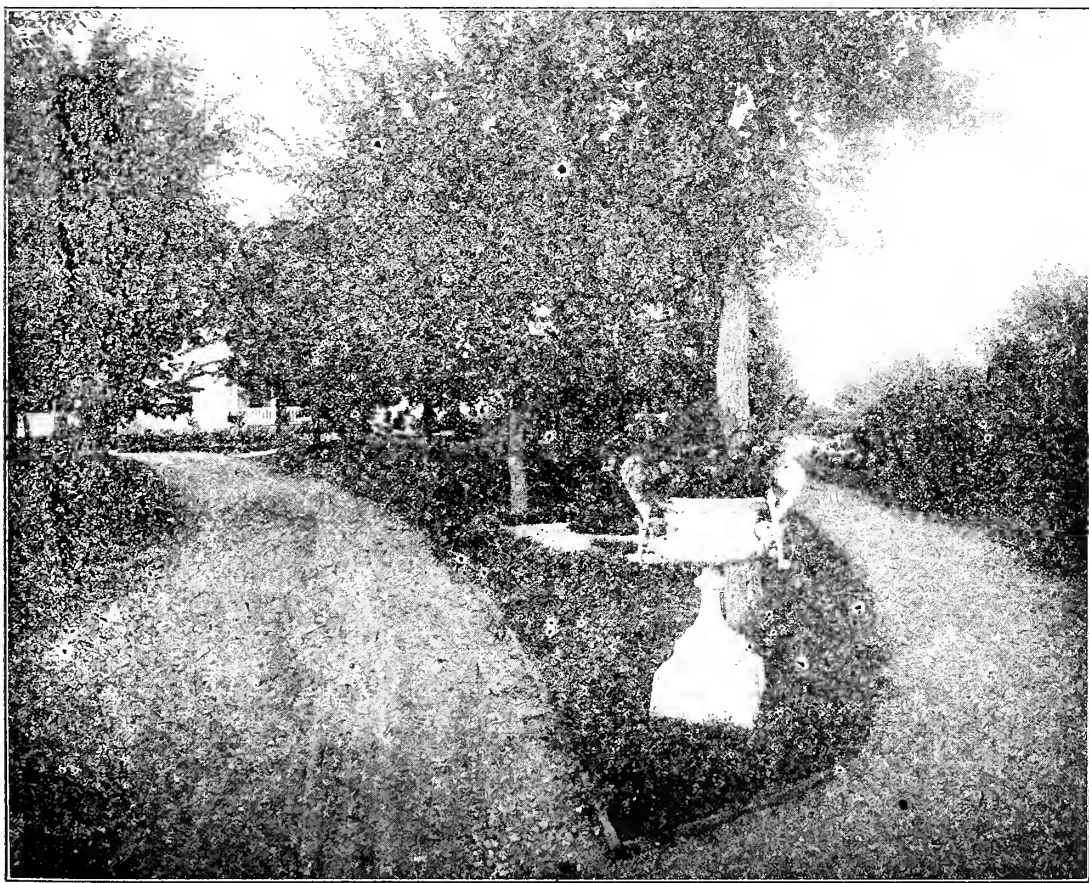


Globe Flower, *Kerria*.

ORNAMENTAL SHRUBS.—(Continued.)



Walk in my garden. First bushes to left, Spirea Van Houtti. Then Austrian and Scotch Pine. To right, Golden Willow in foreground and the high tree a Soft Maple. Walks are five feet crushed stone base and gravel top.



On the left, driveway through my grounds to home. The trees are American White Elm,
To the right, a five-foot walk.

ORNAMENTAL SHRUBS

(Continued.)

HIGHBUSH CRANBERRY. (*Viburnum Opulus*.) A magnificent large shrub, with upright and spreading form. The leaves are broad, oval, three-lobed and bright green. The small white flowers which appear in early summer are borne in broad, flat clusters surrounded by a ring of large sterile flowers. These are followed by very showy scarlet berries, which cling to the bush all winter, as they are not disturbed by the birds. It will thrive and grow to perfection in the coldest climates or where the extremes of heat and cold are the greatest. **Price:** 2 to 3 feet, 30c each; 3 for 75c; 3 to 4 feet, very bushy, 45c each; 3 for \$1.20.

HYDRANGEA PANICULATA GRANDIFLORA. The large flowering Hydrangea. Flowers would be scarce in August and September, if it were not for this showy shrub with its large panicles of pure white flowers, often turning to pinkish as they age. Blooms until hard frost kills them. Can be planted as a specimen plant, or in the foreground of other taller shrubs; also often used as a hedge. In cold localities, cut all limbs back to 15 inches and cover with some strawy manure, and you will be sure of a mass of flowers the next fall. Bush grows about 4 to 5 feet tall. A fine cemetery plant. Use it in numbers wherever a mass of white flowers is desired. This fall I had flowers 12 in. long and 8 in. in diameter. **Price:** 2 feet, 30c each; 3 for 75c.

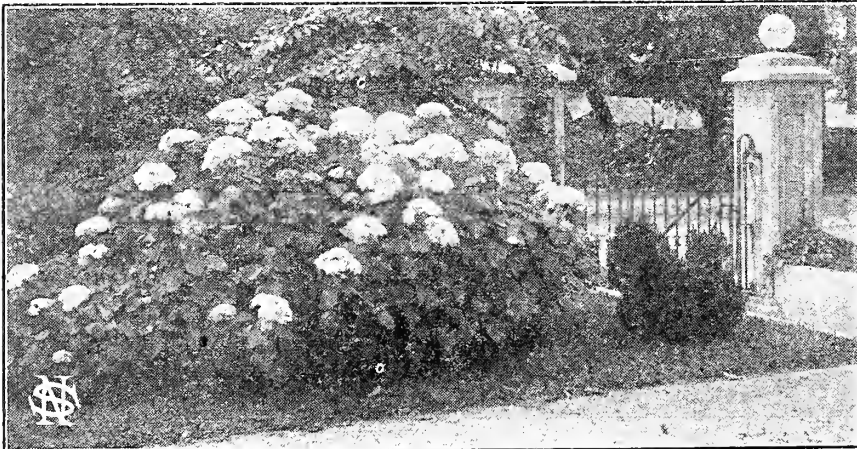
HYDRANGEA PANICULATA IN TREE FORM. These are 4 to 5 feet trees, with good stems and splendid crowns. They are very effective for the lawn or park, or planted along the sidewalks or driveway, about 10 feet apart, they make a most beautiful sight when in full bloom. By planting one or more of these beautiful trees you can show to your neighbors and friends something nice and not commonly seen. **Price:** 4 to 5 feet trees, 65c each; 3 for \$1.70.

HYDRANGEA, AMERICAN EVERBLOOMING. The Snowball Hydrangea. This new Hydrangea is the most beautiful hardy shrub introduced in the last 20 years. The plant, which attains a height of 5 or 6 feet, with nearly the same breadth, is of far more graceful habit than the old form; with large trusses of beautifully formed flowers of dazzling whiteness, rendering this a plant of peerless beauty. The flowers are full and round as a ball, resembling the flowers of the well-known Snowball shrub, but larger. They bloom much earlier than Hydrangea Paniculata, here about the middle of June, and if well watered will bloom almost all summer. Like all Hydrangeas, they like plenty of water. Its hardiness and vigor have been well tested in all parts of the country, and it has been found well adapted to this part of the country and all Western states. In my garden they bloom almost all summer. **Price:** 2 to 3 feet, 40c each; 3 for \$1.00.

BUSH HONEYSUCKLE, RED TARTARIAN. (*Lonicera Tatarica*.) The best known of all the Bush Honeysuckles and in our estimation the finest variety of all. Grows to a height of 8 to 10 feet with upright, somewhat spreading branches and bright green foliage. The flowers are borne freely in May and June, are of bright pink color, followed by showy red berries, which ripen in midsummer, and cling to the bush for several weeks. This fine shrub is of great value when planted as a background for smaller shrubs or in a commanding position where their size will make them conspicuous. It is one of the



Tree Hydrangea.



Hydrangea, American Everblooming.

best shrubs for Northern latitudes, as it withstands the severest winters. **Price:** 2 to 3 feet, 25c each; 3 for 65c; 3 to 4 feet, strong and bushy, 35c each; 3 for 90c.

BUSH HONEY-SUCKLE, WHITE TARTARIAN. About the same as the above, except that the flowers are white. Prices same as Red Tartarian.

Honeysuckles continued on next page.

The stock I got from you a few years ago was entirely satisfactory. A lemon freestone peach proved especially fine for this locality.

P. J. Christensen,
Westonville, Cal.
249 E. 3rd St.
1-16-17.

ORNAMENTAL SHRUBS.—(Continued.)

HONEYSUCKLE FRAGRANTISSIMA. Foliage bright green, almost an Evergreen. A large spreading shrub with sweet, creamy white flowers. In the more southern states it blooms already in January and is, therefore, often called the Christmas Honeysuckle. Here it blooms the first few warm days we get. If planted in groups, makes a dense, heavy growth. **Price:** 2 to 3 feet, 35c each; 3 for 90c.

BUSH HONEYSUCKLE, MORROWI. Japanese variety. Grows only 4 to 6 feet tall and spreading. In early spring its pure white flowers are very attractive. The finest berry-bearing variety, the fruit being a rich crimson and remaining a long time. Very hardy. **Price:** 2 to 3 feet, 30c each; 3 for 75c; 3 to 4 feet, very bushy, 40c each; 3 for \$1.00.

JAPANESE QUINCE. (Red.) Cydonia. Also called Firebush. Very showy and one of the earliest shrubs to bloom, the flowers appearing before the leaves are fully developed. The brilliant scarlet flowers gleaming like redhot coals. Fruit about 1½ in. in diameter, yellowish green, and of aromatic fragrance. Invaluable for border or garden planting and make beautiful informal or clipped hedges. Very hardy and easily transplanted, and will thrive in almost any well drained soil. **Price:** 2 to 3 feet, 25c each; 3 for 65c; 3 to 4 feet, 40c each; 3 for \$1.00. Light plants for hedges, 12 to 18 inch, 25 for \$3.25; 100 for \$14.00.

JAPANESE QUINCE. (White.) Flowers same as the above except that the flowers are white. **Price:** 30c each; 3 for 75c.

LILAC, COMMON PURPLE. The old-fashioned Lilac which grows into a very high bush, with bright green, heart-shaped leaves. In May the plant is crowned with its wondrous wealth of light purple flowers in clusters. It is, without doubt, the best known and most popular shrub grown, and notwithstanding the introduction of so many new flowering shrubs of late years, the Lilac holds its own. A fine tall shrub for the lawn and one of the best for a fancy hedge. Can be used to good advantage in making effective backgrounds for smaller shrubs. Hardy everywhere. **Price:** 2 to 3 feet, 25c each; 3 for 65c; 100 for \$17.00; 3 to 4 feet, 35c each; 3 for 90c.

LILAC, COMMON WHITE. This is substantially the same as the purple, save in the color of its flowers, which are pure white. In May it forms one of the most charming sights the garden affords, with its handsome clusters of exquisitely fragrant flowers shining out in contrast with the bright green, heart-shaped leaves. **Price:** 2 to 3 feet, 30c each; 3 for 75c; 3 to 4 feet, 35c each; 3 for 90c.

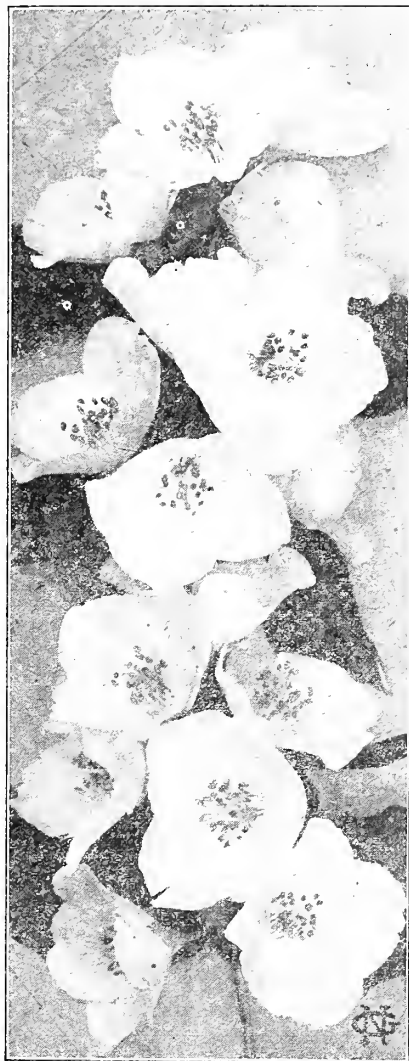
PERSIAN LILAC. Purple or White. Blooms a good deal more than the Common, and has smaller leaves. Does not sprout as much from the roots. I prefer the Persian for the flowers, but the leaves of the Common are decidedly prettier. **Price:** of Persian Purple or White: 35c each; 3 for 90c.

LILACS—BUDDED, SPECIAL VARIETIES.

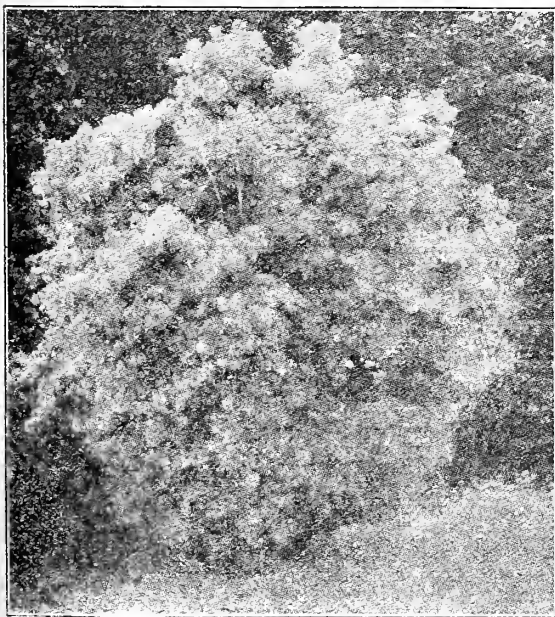
All these are fine varieties, bloom profusely almost every year. Do not rootsucker. In my garden I have them planted along a walk and when in full bloom they are certainly pretty, and perfume the air wonderfully. The plants I offer are strong and very bushy.

MME. CASIMIR PERIER. The finest double white Lilac yet introduced. The individual flowers, which resemble miniature Tuberoses, as well as the truss, are of immense size, deliciously scented; fine for cutting.

Price: 40c each; 3 for \$1.05.



Japanese Flowering Quince.



Fringe Tree, Purple. (Page 40.)

CHARLES X. A strong, rapid growing variety, with large shining leaves. Trusses rather loose; large, reddish-purple.

Price: 40c each; 3 for \$1.05.

LE GAULOIS. A good strong grower. Trusses very dense, the flowers are double, of rose-lilac color. A very good flower.

Price: 40c each; 3 for \$1.05.

MAURICE DE VILMORIN. A rather dwarf Lilac, free flowering. Has very large trusses of blue color with white eye. Where a low-growing Lilac is desired, this will fill the place. One of the prettiest of the many varieties.

Price: 40c each; 3 for \$1.05.

One each of the above four budded Lilacs for \$1.30.

LILACS IN TREE FORM. I can furnish purple and white Lilacs in tree form, grafted 3 to 4 feet high. Very fine for the lawn or park, or may be planted along the sidewalk or driveway. Is showy and something not usually seen.

Price: 3 to 4 feet trees, very strong and stocky, 55c each; 3 for \$1.40. Too large to be sent by mail.

PEARL BUSH. (Exochorda Grandiflora.) One of the most distinctively ornamental shrubs in cultivation, a leader in its season. It grows vigorously to a height of 6 to 10 feet, and can be trimmed to any desirable shape. The early buds look like pearls strung on slender threads. May opening them up to long, gleaming sprays of pure white. One of the best in my garden. **Price:** 2 to 3 feet high, 35c each; 3 for 90c.

On orders for Trees and Plants amounting to \$10 or more I pay all freight charges. If you wish Trees or Plants sent by Parcels Post, please figure sizes and prices as quoted on Pages 69 to 73.

ORNAMENTAL SHRUBS.

(Continued.)

MOCK ORANGE OR SYRINGA. (*Philadelphus.*) *Coronarius.* One of the very best of the old well-known shrubs. It seldom or never fails to bloom. The fragrant and beautiful waxy white flowers appear in great profusion in June. The shrub grows to a height of 10 feet, can be kept lower, though, by pruning. Often used for an ornamental hedge. Hardy everywhere and valuable for immediate effects in landscape planting. This is one of the most satisfactory shrubs for the Middle West, hardy and it never fails to bloom and needs little care. **Price:** 2-3 feet, 25c each; 3 for 65c; 3-4 feet, 35c each; 3 for 90c. Also have some 4-5 feet, strong and bushy for immediate effect, for 60c each; 3 for \$1.50.

MOCK ORANGE, LEMOINE. Flowers of this variety are large, semi-double, very fine. The bush is of a more dwarfish habit and will not get over 4 feet high. Considered one of the best of the many varieties of Mock Orange.

Price: 2 to 3 feet, 25c each; 3 for 65c.

MOCK ORANGE, MONT BLANC. Flowers are very large, pure white and very fragrant, almost covering the bush. Very choice and distinct. Better than *Coronarius*.

Price: 2-3 feet, 30c each; 3 for 75c; 3-4 feet, 40c each; 3 for \$1.00.

OLEASTER. (*Eleagnus Longipes.*) An oriental shrub with handsome foliage and numerous yellowish-white, fragrant flowers. The fruit is red, borne on slender stalks and ripening in midsummer. Fruit is of a decidedly acid flavor and is prized by many for making jelly, jam, etc. It is a wonderfully strong and thrifty bush, and of great value for producing immediate effect. Grows to a height of 6 to 8 feet; perfectly hardy with me.

Price: 2 feet, 30c each; 3 for 75c; 3-4 feet, 40c each; 3 for \$1.00.

PRIVET, CALIFORNIA and AMOOR RIVER. See under hedge plants, page 37.

SPIREA. *Meadow Sweet.* All varieties bloom with the greatest freedom, making them indispensable for ornamental purposes. I grow the following eight varieties. A good collection of them will give nice flowers all through the season. All the species are very hardy, easy to grow in many soils and situations, and will be found useful for specimens, groups, screens, borders, ornamental hedges, etc. All 8 comprise the best of all *Spiraea*s.



Spiraea Van Houtti.

SPIREA VAN HOUTTI. One of the most popular shrubs, especially in the Northwest. The branches are very graceful and drooping and when in full bloom the leaves are almost covered with masses of white flowers. It will thrive anywhere, even close to the north wall of a house, in the shade, as in the sun. One of the very best shrubs for an ornamental hedge. It likes a wet season, but the driest weather will not kill it. Grows about 5 to 6 feet high in good ground. **Price:** 2 to 3 feet, very bushy, 25c each; 3 for 65c; 100 for \$20.00; 3 to 4 feet, very bushy, 35c each; 3 for 85c; 100 for \$25.00.

SPIREA WALLUFL. (New.) A dwarf growing, bright red flowered seedling of *Spiraea Bumalda*, in luxuriant bloom from June until frost. This is one of the most striking new shrubs that has come to my notice. Blooms in the same broad, graceful panicles and has the same habit of growth as *Bumalda* or *Anthony Waterer*, but does not fade to the magenta or rose color, as does the type. Wallufl remains red until flower is old and turns brown. Valuable for small shrub groups or as an edging to large shrub borders and mounds. The plants I offer are very bushy and shapely; ready to bloom this season. With me it bloomed fine this last summer, although we had a long dry spell.

Price: 18 to 24 inch, 45c each; 3 for \$1.15.

SPIREA ANTHONY WATERER. This beautiful variety produces flowers of a bright crimson and blooms so freely that it may be kept flowering during the summer till late fall by trimming away dead blooms. Foliage is very handsome, being variegated with creamy white or yellow. Grows 15 to 20 inches high; is very useful for massing or border or in front of taller shrubs.

Price: 18 inch plants, 30c each; 3 for 75c; 100 for \$22.00.

SPIREA BILLARDI. Rose colored flowers in large spikes, blooms nearly all summer. Very pretty and showy and splendid for cut flowers. Grows 4 feet high. **Price:** 2 to 3 feet, 25c each; 3 for 60c.

SPIREA BILLARDI. White Flowers. (*Alba.*) About the same as the above, but spikes of flowers are white. **Price:** 2 to 3 feet, 25c each; 3 for 60c.

SPIREA OPULIFOLIA. (*Nine Bark.*) The strongest growing sort, attaining 8 to 10 ft. Growth upright, although the white heavy flower umbels in June make the branches droop; old flower heads turn to dark red, and make a striking variety of colors at different stages of maturity. Is especially valuable for shady places and where a tall shrub is desired. **Price:** 2 to 3 feet, 40c each; 3 for \$1.00.

I pay freight on all orders for Trees and Shrubs amounting to \$10.00 or more.



Mock Orange. *Philadelphus.*

ORNAMENTAL SHRUBS.—(Con'd.)

SPIREA PRUNIFOLIA. (The real Bridal Wreath.) Among the earliest of the double Spireas and very showy. It is very graceful and plume-like in effect, the branches being covered thickly, almost their whole length with small double white flowers and sweeping outward in gentle curves.

Price: 30c each; 3 for 75c.

SPIREA THUNBERGII. (Snow Garland.) A Japanese variety of medium size, with narrow, delicate leaves and a profusion of small white flowers in early summer. One of the best. Leaves narrow, bright green, turning in autumn to brilliant shades of orange and scarlet. Grows 3-4 feet high. Very few shrubs are better for a low hedge.

Price: 2-3 feet, 25c each; 3 for 60c; 100 for \$18.00.

SNOWBALL. Guelder Rose. (*Viburnum Opulus* Flora Plena.) One of the favorites of old-time gardens. It grows into a magnificent high bush with upright branches and handsome foliage. It forms one of the most impressive sights of early summer, when its pure white, four-petaled flowers borne in showy balls, are in bloom. I have a Snowball bush on my farm, on which I counted over 800 blossoms. Hardy everywhere.

Price: 2 to 3 feet, 30c each; 3 for 75c; 3 to 4 feet, 40c each; 3 for \$1.00.

JAPANESE SNOWBALL. (*Viburnum Plicatum*.) From North China. Of moderate growth; handsome plicated leaves, globular heads of pure white neutral flowers early in June. It surpasses the common Snowball in several respects. Its habit is better, foliage much handsomer, flowers whiter and more delicate. One of the most valuable flowering shrubs.

Price: 2 to 3 feet, 40c each; 3 for \$1.00.

VIBURNUM LANTANA. (Wayfaring Tree.) 10 to 15 feet. Beautiful wrinkled, Lantana-like leaves, white flowered in May and June. Fruits color unequally from crimson to black, causing a most charming combination of colors throughout the summer.

Price: 1½ to 2 feet, 30c each; 3 for 75c.

VIBURNUM OPULUS. See Highbush Cranberry, page 42.

SNOWBERRY OR WAXBERRY, White Fruited. (*Symphoricarpos*.) A desirable shrub with small pink flowers, followed by large white wax-like berries, which hang on the plant through most of the winter. Grows to a height of 2 to 4 feet. Is very showy and succeeds everywhere.

Of special value for planting in dense shaded places, where few other shrubs will grow. Price: 2 to 3 ft., 30c each; 3 for 75c.



Branch of Waxberry Bush.



Branch of Weigelia in bloom.

SNOW OR WAXBERRY, Red Fruited. Same as above, only the berries have a red color, and are smaller. Also called Indian Berry. Can be found growing along creeks in Nebraska. Price, 2-3 feet, 25c each; 3 for 60c.

SUMAC, FERN LEAVED. (*Rhus Typhina*.) This variety of native Staghorn Sumac was found on the hills of Vermont. It is of rapid, robust growth, producing cones of bright red fruit. Leaves beautifully formed, rivaling the most delicate fern. For massing with other shrubs the effect is striking. Can also be cut to the ground each season and a mass of beautiful foliage will result. The shrub will thrive on the poorest of soils with a surprising luxuriance. Price: 2 to 3 feet, 30c each; 3 for 75c.

SIBERIAN PEA TREE. (*Caragana*.) See full description on page 33. Price for small plants suitable for hedges, see page 37. Price: 3 to 4 feet, 25c each; 3 for 65c.

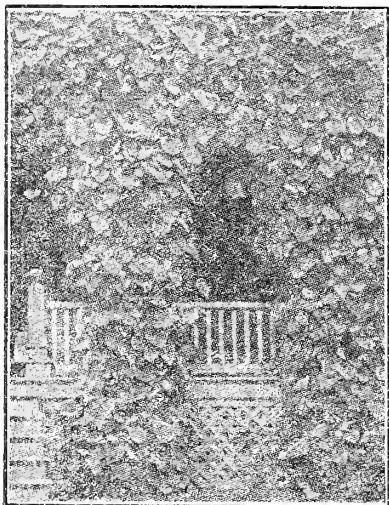
TAMARIX ODESSA. A Russian variety, much superior to the African Tamarix. The foliage is bluish green, similar to the Colorado Blue Spruce. The flowers are of a delicate pink color. Blooms in July and often again in August and September. The branches are very graceful and the shrub is much harder than the African. Stood in my garden a temperature of 26 degrees below zero without injury, while the African froze to the ground. Excellent in making bouquets owing to its superb foliage and very delicate, beautiful flowers. Price: 30c each; 3 for 75c.

WEIGELIA, EVA RATHKE. A new variety from Germany and probably the best and finest of all Weigelias. Flowers are of brilliant crimson color, a beautiful and distinct shade. Blooms nearly all summer and when in full bloom the whole plant fairly glows with color. On September 27th my Eva Rathke Weigelias were still in full bloom and the plants literally covered with their beautiful, intensely rich flowers. Grows 2 to 3 feet tall. It is not real hardy in Nebraska. Cut the bush back late in the fall to one foot and cover with strawy manure. It will amply repay this little work the next summer.

Price: 2 to 3 feet, 40c each; 3 for \$1.00.

WEIGELIA ROSEA. An elegant shrub with beautiful rose colored flowers. Blooms from June until fall. It is erect in habit with good foliage. The height is five feet. Very hardy. I find this to be the only variety of Weigelia that is really hardy in Nebraska and does not need winter protection. Price: 2 to 3 feet, 30c each; 3 for 75c.

HARDY ORNAMENTAL CLIMBING SHRUBS



Aristolochia.



Cinnamon Vine.
Baby Rambler Rose in Window.

HONEYSUCKLE, RED CORAL. A fine climber and one of the most satisfactory of all plants. The odd-shaped foliage is showy and attractive and it produces its bright red, fragrant, trumpet-shaped flowers almost continuously. A splendid vine for porches. Grand for trellises and ground cover. Will thrive in almost any kind of soil, growing to a height of 10 to 15 ft. Can also be raised in bush or tree form. **Price:** 25c each; 3 for 60c.

HONEYSUCKLE, KALL'S EVER-GREEN JAPAN. (Lonicera.) One of the best of the climbing Honeysuckles, and a free bloomer. Has oval, semi-evergreen foliage and fragrant yellow and cream colored flowers in constant succession. Grows to a height of 12 to 15 feet. Excellent for covering trellises, rocks, dry banks, etc. The Honeysuckle perfume is much remembered and loved throughout the world. **Price:** 30c each; 3 for 75c.

For price and sizes of Trees and Plants that can go by Parcels Post see Pages 69 to 73.

Your home, outbuildings, fences and trunks of old trees can be made very attractive by the use of hardy vines. Such permanent improvements add greatly to the value of your property, and the value increases from year to year. I furnish nice, strong, field-grown plants at prices given below.

AKEBIA. A beautiful, hardy Japanese vine with unique, dainty foliage and chocolate-purple flowers of delightful fragrance in large clusters. The foliage is never attacked by insects and is nearly evergreen. Blooms in May. Its rapid growth makes it highly suitable for porches, trellises or running over walls and banks. Does best in a sunny location and well drained soil. **Price:** 35c each; 3 for 90c.

ARISTOLOCHIA. (Dutchman's Pipe.) Derives its name from the peculiar shape of its flowers, which resemble the old-fashioned Dutch pipes. It is one of the most rapid climbers in use. Does best on the north side of houses where the full force of the noonday sun does not strike it. This is an extremely desirable feature, however, as it fills locations where most other vines are not a success. A very pretty and odd climber. Blooms in June. **Price:** 65c each; 3 for \$1.80.

AMPELOPSIS ENGELMANII. A new variety of Woodbine which has long been desired. It has shorter joints and very much smaller and thicker foliage. It also is better equipped with tendrils by which it will climb walls of stone or brick as closely as the Boston Ivy. This variety has proved itself perfectly hardy in Minnesota, and I have no doubt that it will occupy the same place in the North and West that the Boston Ivy does in the East. Will grow in any soil and withstands drought and heat. **Price:** 25c each; 3 for 60c.

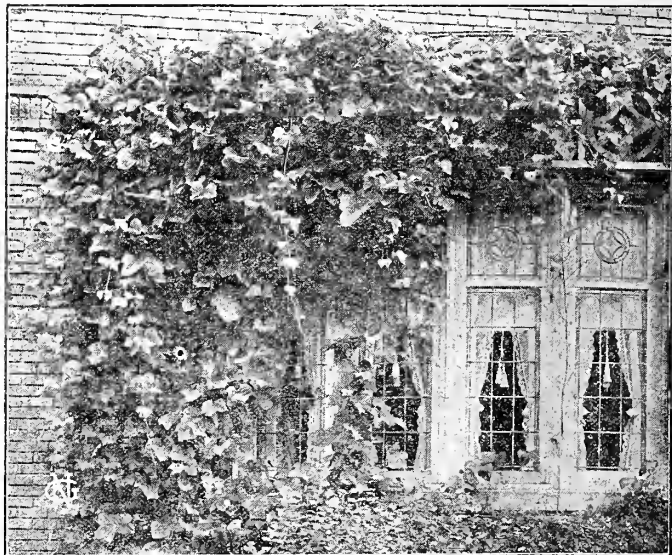
BOSTON IVY. (Ampelopsis Veitchii.) One of the finest climbers for covering walls, as it clings firmly to the smoothest surface, covering it evenly with overlapping leaves, which form a perfect mass of foliage. The color is fresh deep green in summer, changing to bright shades of crimson and yellow in autumn. The handsomest vine possible for growing on house walls, especially the foundation and first story, around the doors and windows. When once established it is quite hardy. Should be planted south of here. I cannot say that it is hardy here. In very cold winters it freezes to the ground. **Price:** 30c each; 3 for 75c.

VIRGINIA CREEPER. Woodbine. (Ampelopsis Quinquefolia.) A strong, rapid grower; foliage large, dark green; in autumn bronze and crimson. This is an old favorite and valuable for covering back porches, outbuildings, arbors, etc. Perfectly hardy everywhere and will grow in any soil and situation. **Price:** 25c each; 3 for 60c.

BITTER SWEET. (Celastrus Scandens.) A native climber with handsome glossy foliage and large clusters of beautiful orange crimson berries remaining all winter. Very bright in effect and charming for winter house decorations. Very hardy. **Price:** Strong plants, 30c each; 3 for 75c.

CHINESE MATRIMONY VINE. (Lycium.) Vigorous growing, hardy climbing vine that may be used anywhere that a vine is needed for training to trellis, fence or wall. The foliage is of a grayish green. The flowers, which appear from June to September, vary through shades of pink to purple. The fruit which follows is of a deep crimson color and very showy. It is borne abundantly along the entire length of the branchlets. It is especially attractive in the fall when it is thus loaded with its bright fruits, which contrast well amid the green foliage. Will grow in nearly all soils and climates. **Price:** 25c each; 3 for 60c.

CINNAMON VINE. (Dioscorea.) This beautiful climber possesses the rare quality of emitting from its flowers the delightful odor of cinnamon. Perfectly hardy, the stem dying down every autumn, but growing again so rapidly as to completely cover any trellis or arbor very early in the season. With its heart-shaped leaves and clusters of delicate white flowers, it is a most desirable climber. **Price:** Strong roots, 15c each; 3 for 35c.



Japanese Kudzu Vine. (Page 47.)

HARDY ORNAMENTAL CLIMBING SHRUBS.—(Continued.)



Trumpet vine.

JAPANESE KUDZU VINE. Jack and the Bean Stalk Vine. (Pueraria). The most remarkable rapid growing hardy perennial extant. In rich soil the plant will grow 70 feet in one season. Starts into growth slowly, but after three or four weeks it grows almost beyond belief. Leaves in shape like Lima Beans; dark green, soft and woolly. For porches, arbors, old trees, etc., I know of nothing its equal. The illustration on the opposite page gives some idea of the beautiful effect obtained by planting this climber. **Price:** Strong, field-grown roots, 30c each; 3 for 75c.

TRUMPET VINE. (Bignonia Radicans.) A robust, woody vine, climbing high and twining tightly with numerous roots along its stems. Great, leathery, trumpet-shaped flowers of orange scarlet, clustering all the tips of the branches, bending them gracefully with their weight. In bloom nearly all summer. Extremely valuable for covering old stumps or walls; wherever a showy flowering vine is desired, it will be found most useful and pretty. Can also be grown as a small tree or bush. **Price:** 30c each; 3 for 75c.

EUROPEAN TRUMPET VINE. (Bignonia Rubra.) The flowers of this variety are very much larger and of a better color, which is yellowish-red. They bloom much younger than the Bignonia Radicans, two-year-old plants always blooming well in the nursery. Are perfectly hardy, constant bloomers and very showy. Can also be used as a shrub, or small tree. **Price:** Two-year old plants, 35c each; 3 for 90c.

WISTARIA, CHINESE PURPLE. This variety bears in great profusion large drooping clusters of purple pea-shaped flowers, somewhat resembling a bunch of grapes in size and form. Blooms in May and June and sometimes again in the fall. Foliage is very pretty, of pale green color. An exceedingly beautiful and useful climbing plant that may also be trained to tree form. **Price:** 30c each; 3 for 75c.

WISTARIA ALBA. A form of the above, but flowers are pure white, in large drooping racemes. **Price:** 30c each; 3 for 75c.

MADEIRA VINE. Also called Mignonette Vine and Mexican Vine. A beautiful tuberous rooted climber, with glossy green leaves and handsome racemes of fragrant white flowers. The vines make a rapid growth, and a few plants will cover a trellis or cottage wall in a single season. Will grow anywhere without care. **Price:** Strong tubers, 5c each; 12 for 50c.

DAKOTA GRAPE. A splendid vine for covering arbors. See description under Grape Vines, page 18. Below is the picture of an arbor covered in two years with Dakota Grape Vines. **Price:** 45c each; 10 for \$4.

TRAILING PERIWINKLE. (Vinca Minor.)

A hardy evergreen shrub, or more properly called a vine, trailing close to the surface, forming a dense mat, thriving under trees, where grass will not grow; useful for binding the soil in slopes to prevent

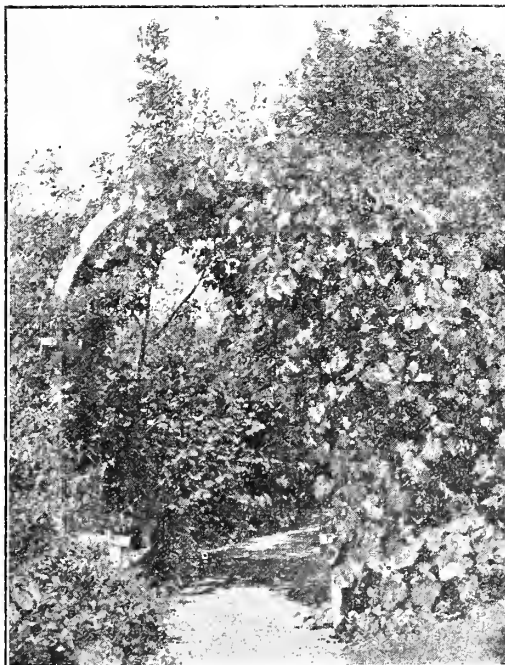
covering graves, where the blue flowers contrast finely with the glossy foliage. Perfectly hardy. **Price:** 12c each; 10 for \$1.00.

About seven years ago I ordered apples, peaches, plums, chestnuts and roses. Most every year since I have ordered garden seed. I never fail when I order from you.

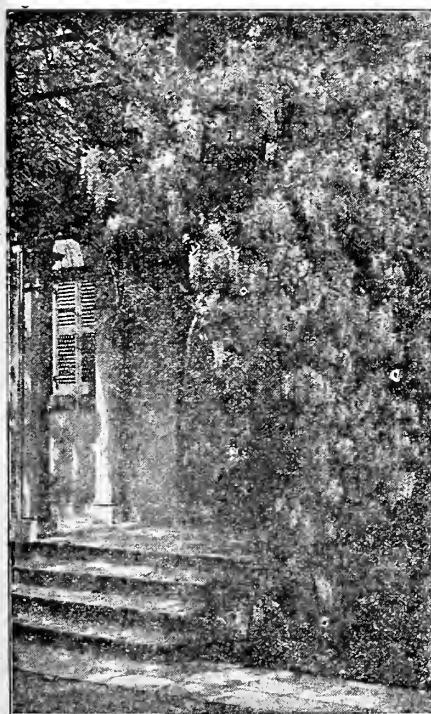
W. A. Hammer
Eufaula, Okla.
1-14-17.

As I have ordered trees from your nursery some few years ago and was so well satisfied, would like to order again, so please send me your late catalog.

Mrs. F. E. Kindblade,
Carnegie Ok.
1-29-16.



A small arbor over one of my walks with a bench on each side, along the walk. Seats and frame are made of wood. On the right side Dakota Grapes, on the left Rambler Roses. The seats are about 3 feet long. Walk five feet wide.



Wistaria.

HARDY ORNAMENTAL CLIMBING SHRUBS.—(Continued.)**CLEMATIS.**

Beautiful free flowering vines with very showy flowers. They are well adapted for training on porches, balconies and trellises, or for covering walls, fences and arbors. A loamy, fertile soil suits them best, and to secure the best results the ground should be enriched frequently. I can furnish the following varieties, all two-year-old, strong field grown plants:

Some of my customers seem to have trouble in transplanting Clematis. I can now furnish all large flowering Clematis in **3-year-old plants**. At this age the roots are much more woody and will stand shipping much better.

LARGE FLOWERING CLEMATIS.

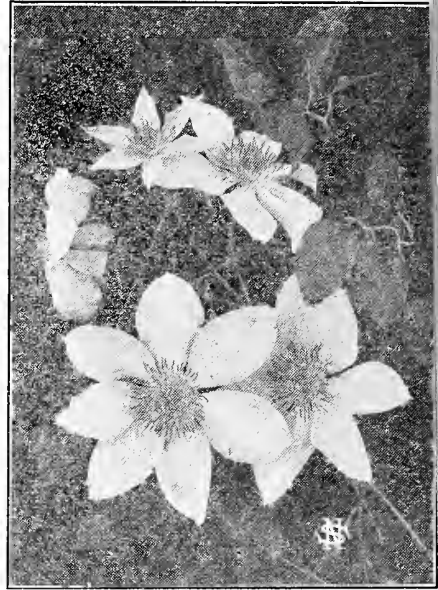
DUCHESS OF EDINBURG. One of the few double flowering Clematis. Flowers are large white, very double and attractive. The vines are hardy and very free blooming. I know my customers will be well pleased with this Clematis. **Price:** Strong, 3-year-old plants, 50c each; 3 for \$1.25.

JACKMANNI. The well-known large flowering blue clematis. The beautiful flowers, when fully expanded, measure 4 to 6 inches in diameter, intense violet-purple with a rich, velvety appearance, distinctly veined. It blooms continually from July until cut off by frosts. Plant is hardy, abundant and successful bloomer. **Price:** For strong 3-year-old plants, 50c each; 3 for \$1.25.

HENRYI. This is the finest of all large flowering white clematis, and should find a place in every collection. It is not only a vigorous grower, but a remarkably free and continuous bloomer, beginning with the earliest, holding out with the latest. Flowers are large, of beautiful creamy-white, with reddish chocolate anthers. **Price:** Strong 3-year-old plants, 50c each; 3 for \$1.25.

VILLE DE LYON. The only real bright Clematis I have seen. Flowers are large, very red and bloom a long time. Better than Madame Andre for color. **Price:** Strong 3-year-old plants, 50c each; 3 for \$1.25.

MADAME EDOUARD ANDRE. Has been called the crimson Jackmanni. The plant is a strong, vigorous grower, very free in bloom. Lovely flowers of a distinct crimson color. Distinct from all other varieties. **Price:** Strong 3-year-old plants, 50c each; 3 for \$1.25.



Clematis Henryi.

RAMONA. One of the most desirable of the large flowering Clematis. The large, beautifully formed flowers are of a deep rich lavender, a very pleasing and unusual color. The plant is a vigorous grower and perpetual bloomer. A decided acquisition to this class of clematis and a plant that everyone will want. **Price:** Strong 3-year-old plants, 50c each; 3 for \$1.25.

SMALL FLOWERING CLEMATIS.

PANICULATA. The small flowering sweet scented Japan Clematis. One of the most vigorous and beautiful of all climbers. It is a rapid grower, and desirable wherever a quick growing vine is needed, on walls, verandas, fences, etc. In late summer it produces dense sheets of medium-sized pure white flowers of the most pleasing fragrance. Will grow in almost any soil, and is entirely free from blight and insects. **Price:** 35c each; 3 for 90c.

I had a large orchard in Kansas, consisting of all kinds of fruit trees. It was told me that it was the best orchard in the vicinity. The trees were all from Sonderegger Nurseries & Seed House, Beatrice, Nebr. They were exceptionally fine.

HENRY SCHNELL,
Kephart, N. Mex.

5-2-16.

The cherry plum and Osteheimer cherry I got of you two years ago are full of fruit.

LAWIA CLOUD,
R. 2, Box 3,
Haviland, Kas.

5-22-16.

Engelmanil
(See Page 47.)

I got three hundred trees from you and there wasn't but two that died, one was a dwarf pear and the other a chestnut, the rest are all living and doing well.

J. R. ONEAL,
Plainview, N. Mex.

I can only send small orders at present, but am much pleased with the large value you send for the money in the past and have recommended you to others in this office.

J. M. LONG,
Washington, D. C.

3-23-17.

I ordered hundred grape vines from you two years ago and have not lost any of them. Your goods cannot be too highly appreciated.

LUDWIG MAIER,
Tioga, Texas.

2-1-17.

Last spring we sent you an order for some apple trees and smaller plants and received them all in fine shape, every tree grew and are looking fine.

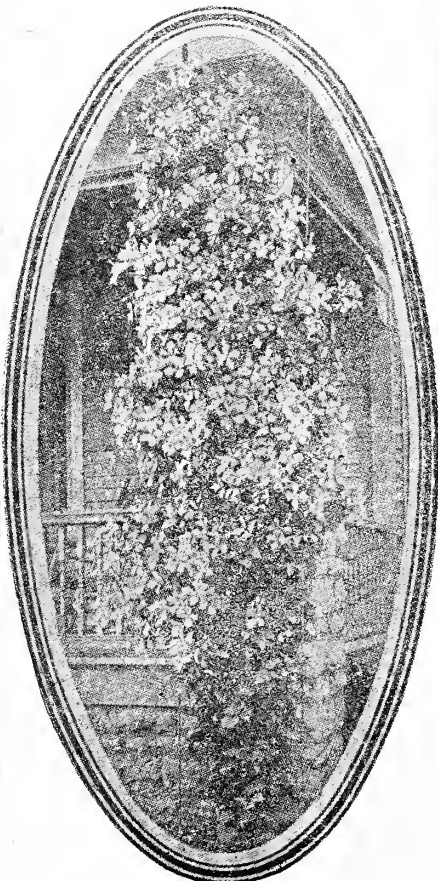
MRS. A. DUMAN,
Box 355, Akron, Colo.

I have ordered trees from you for the last twelve years and have always got good trees.

SCOTT E. CRAIG,
Covington, Okla.

Your trees bear very nice here, always have had good luck with your trees.

CHARLES BENSE,
Box 41, R. 3, Red Bud, Ills.



Clematis Jackmanni.

ROSES.



Queen of Colors. (Page 50.)

The Rose, the Queen of Flowers, is justly one of the most popular. Few plants give better satisfaction to the lover of beautiful flowers, when properly treated. To obtain the most satisfactory results, roses should be planted in well drained, rich, deep loamy soil, and given a location where they will have sunlight and a circulation of air. For winter protection an application of composite or manure should be given them in late autumn, and spaded into the ground the following spring. All my roses are two-year-old, field-grown plants, about 2 to 3 feet high and well rooted. I have no small greenhouse-grown stock.

HARDY EVERBLOOMING HYBRID TEA ROSES.

The following varieties are free bloomers and excellent for cutting. Hardy and will withstand ordinary freezing weather, but should have protection during the winter. Suitable for garden or house culture. In the open field the Kaiserin, Gruss an Teplitz, Maman Cochet and especially Killarney and Madame Ravary withstood our hot, dry summer extremely well and bloomed profusely, all through the summer and fall.

In my garden I protect all my roses over winter. In the fall I cut them back somewhat, then lay them down and cover first with dirt and when it gets colder, with strawy manure. In this way I am sure to get my roses through the winter in good shape. This I would advise everywhere, where the thermometer will go down to 10 above zero or lower.

AMERICAN BEAUTY. This Rose has become as famous as the Marechal Niel. It is a hardy rose of the largest size, having the everblooming qualities of the tea rose, with the delicious odor of the damask or moss rose. It is the sweetest of all roses. Color a deep, brilliant red, shading to a rich carmine crimson. A valuable rose for the garden or indoor culture, flowering freely during the winter. **Price:** 40c each; 3 for \$1.05.

DAILY MAIL ROSE. (Mad. E. Herriot.) This rose is a vigorous grower, quite hardy, of spreading, branching habit, with many long thorns, green bronzed foliage, coral red bud shaded with yellow on the base, flowers of medium size, semi-double, superb coloring, coral-red shaded with yellow and bright rosy-scarlet. Mad. E. Herriot was greatly admired by the visitors at the Royal International Exhibition held in London in May, 1912, where it was awarded with the Daily Mail Gold Cup as the best new rose in the show. **Price:** 40c each; 3 for \$1.10.

GRUSS AN TEPLITZ. One of the brightest colored roses grown. When first opened, it is a dark, rich crimson, changing to a bright scarlet. Blooms continually; flowers good size and delightfully fragrant. It is the rose for everybody, succeeding everywhere. **Price:** 40c each; 3 for \$1.05.

HUGH DICKINSON. Flowers very dark crimson, shaded scarlet, very large, fully double, and of magnificent form, with high pointed center. Vigorous, upright grower, and blooms freely and continuously all summer. The sweetest perfumed rose for outdoor planting. **Price:** 40c each; 3 for \$1.05.

JOHNKEER MOCK. A rose that has won fame for itself in Europe and soon to become one of the leaders in its class in America. Pink in color, faced with carmine, and of enormous size and perfect formation. Delightfully fragrant and a good keeper. Flowers on long, heavy canes, almost thornless. Is a strong, rapid grower, hardy with protection in the colder latitudes. **Price:** 40c each; 3 for \$1.05.

JULIETT. An excellent novelty, of strong, bushy growth and very ever-blooming. Flowers are large, very double, exceedingly fragrant. The color of the petals on the outside is old gold, inside orange rose, slowly passing to rose. I recommend this rose to all my customers who can appreciate a very daintily colored and fragrant flower. A good many of my friends pronounced this the prettiest rose they had ever seen. **Price:** 40c each; 3 for \$1.05.



American Beauty.

HARDY EVERBLOOMING HYBRID TEA ROSES.—(Continued.)



Gruss an Teplitz. (Page 49.)

striped with carmine red. The big, well-formed flowers, when fully open, are of a fine canary yellow color. Received golden medals at London and the Lyons (France) exhibitions. I have given this rose a thorough trial and now can recommend it to my customers. It blooms well here and the rose is really a beauty. **Price:** 55c each; 3 for \$1.40.

RHEA REID. A magnificent new crimson garden rose. "As large as American Beauty, as double as La France and as red as Richmond," is the enthusiastic way the originator describes this beautiful new Hybrid Tea Bush Rose. The color is vivid scarlet crimson, and the flowers are marvels of beauty, large, bold and of splendid substance. Has a strong, disease-resisting constitution and makes rapid growth; throws up a profusion of canes from the roots, and is always blooming. As an all round garden bush rose, it has no superior. **Price:** 40c each; 3 for \$1.05.

RADIANCE. An American Novelty. "A brilliant rosy-carmine, displaying beautiful rich opaline-pink tints in the open flower. The form is fine, of largest size and full, with cupped petals. It blooms constantly and is delightfully fragrant. This is a superior rose. **Price:** 40c each; 3 for \$1.05. Strong, two-year old plants

The 1912 orchard bore a good crop of plums in 1915 and 1916—Morello Cherries a good crop this year—a few apples on Wealthy, Pippins and Jonathans and just a few in Winter Bananas apples. Good growth this year.

RAY CARL,
Long Island, Kans.

KAISERIN AUGUSTA VICTORIA. (See page 51.) The finest white everblooming hardy garden rose. Soft, pearly white, lightly tinted with lemon in the center, just enough to relieve the white. Remarkably fragrant buds and open flowers of elegant form. The plant is a strong grower, blooms freely and the flowers are carried on long, stiff stems. Best rose for garden and house. **Price:** Each 40c; 3 for \$1.05.

KILLARNEY. This beautiful new rose is unquestionably the finest pink, hardy everblooming tea rose introduced. Blooms large, full and of exquisite shade of shell bright pink. Fragrant and handsome. The bush is strong and upright, with beautiful deep bronze green foliage, very free blooming. **Price:** Each 40c; 3 for \$1.05.

MADAME CAROLINE TESTOUT. One of the most popular roses in its class, and undoubtedly one of the best for outdoor culture. Should be in every garden. Immense, large, clear pink flowers, full and double; beautiful buds. Very hardy. Blooms very freely; almost always in bloom. **Price:** 40c each; 3 for \$1.05.

MAMAN COCHET, PINK. The best pink garden rose. In the open ground it quickly makes a strong bush, producing on long stiff stems, in wonderful profusion, flowers that are perfect. The buds are beautiful, large, full and firm, elegantly pointed, while the open flowers are extra large,

and perfectly double. The color is clear, rich pink, changing to silvery rose. Blooms all the time. **Price:** 40c each; 3 for \$1.05.

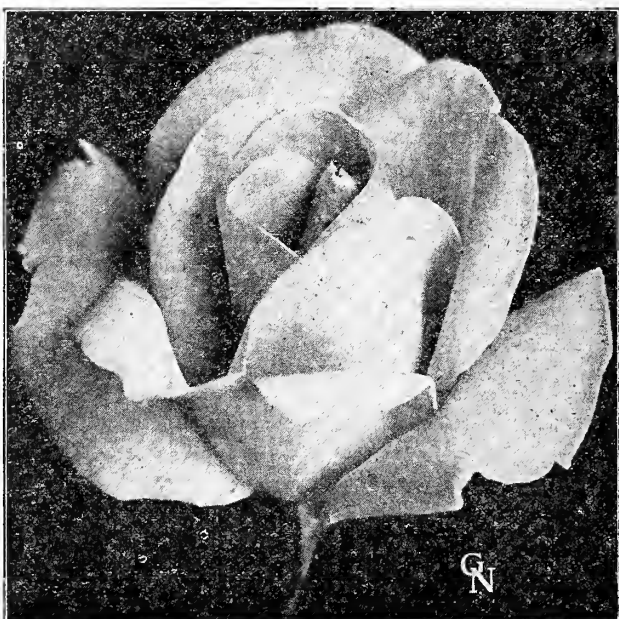
MAMAN COCHET, WHITE. What has been so long desired, viz: a pure white, hardy, everblooming rose, has been obtained in this grand variety. It has the requisites of a perfect garden rose—substance, size, fragrance, hardiness, vigor and profusion of bloom—rivaling the best of the monthly everblooming roses in the latter all-important quality. It is a "sport" from the well-known and much valued rose, "Maman Cochet." Inheriting all its fine qualities, full and firm buds, long and pointed, the ideal rose, keeping long when cut. **Price:** Each 40c; 3 for \$1.05.

MADAME BAVARY. (Hybrid Tea.) A beautiful monthly rose, blooming profusely all summer. The plant grows vigorously and is as hardy as the Kaiserin Augusta Victoria. Buds are very long and nicely formed. The flower is large, very double and of exquisite orange yellow color, which it holds well. Probably the best yellow rose in cultivation, much better than Golden Sun and a more profuse bloomer. I can recommend this rose. You will not be disappointed. **Price:** 40c each; 3 for \$1.05.

OTTO VON BISMARCK. A new Hybrid Tea Rose from Germany. Fine silvery pink, somewhat similar to La France. Flowers profusely all summer. In my garden it is one of the best bloomers. **Price:** Each, 40c; 3 for \$1.05.

QUEEN OF COLORS. (Farbenkönigin.) A new rose from Germany. Blooms very large and full. Buds are long, color bright rose, with somewhat darker background. Is always in bloom and very hardy. See illustration at top of page 49. **Price:** 40c each; 3 for \$1.05.

RAYON D'OR. (Golden Rays.) A Hybrid Tea Rose, everblooming, furnishes roses all summer. Without doubt the best yellow everblooming rose. Strong, bushy grower, with green, shining leaves and oval shaped buds,



Killarney.

HARDY HYBRID PERPETUAL ROSES.

These hardy roses combine hardiness, vigor of growth and size of flower with great variety. They are very popular and most useful of all roses. While called "Perpetuals," they are not such constant bloomers as the Everblooming Tea Roses. Particularly valuable for beds or borders in the Northern or Middle States. If you like roses, set out a row or two of these and you will be well repaid. I furnish field-grown, two-year-old, well rooted plants. It will be safer to cover these over winter where the thermometer goes much below zero.

CLIO. A rose of perfect form, with broad, thick petals, high, full center; beautiful from pointed bud to fully opened flower. The color is of a delicate satiny blush, with slightly deeper center. Plant is strong, blooms freely, displaying its great flowers boldly on good stems against large, rich leaves. **Price:** Each, 35c; 3 for 90c.

GENERAL JACQUEMINOT. A rich velvety crimson, changing to a scarlet crimson. This is the best known of all hybrid perpetuals, and is without a rival in fragrance and richness of color. As easy of cultivation as many of the more common varieties and perfectly hardy. Does well anywhere and blooms freely. Also adapted for growing in the house. **Price:** Each, 35c; 3 for 90c.

PRINCE CAMILLE DE ROHAN. Deep velvety crimson maroon, large, moderately full. One of the darkest in cultivation and a splendid rose. A good bloomer and very hardy. At a distance, the beautiful fragrant, large, deep double flowers appear black. A wonderful rose. Each, 35c; 3 for 90c.

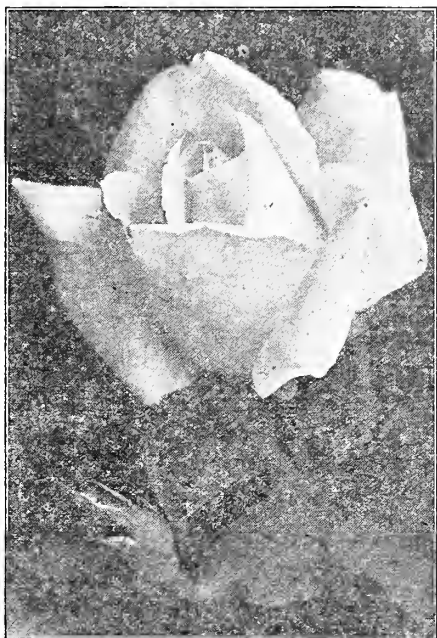
PAUL NEYRON. The largest rose in cultivation, sometimes called the Paeony Rose. Color bright, fresh cerise red. Flowers are very double and full, delightfully fragrant. The plant makes a strong, healthy growth and has clear, glossy foliage. Blooms almost without intermission from June until late October. **Price:** Each, 35c; 3 for 90c.

ULRICH BRUNNER. A superb rose; a seedling from Paul Neyron. Extra large, bold flowers; full and globular; petals large and of good substance. Color rich, glowing cherry, elegantly lightened with scarlet. Very fragrant. Plant is of vigorous, healthy growth; blooms freely. One of the best and finest hardy roses for the garden. Very effective when planted in masses. Each, 35c; 3 for 90c.

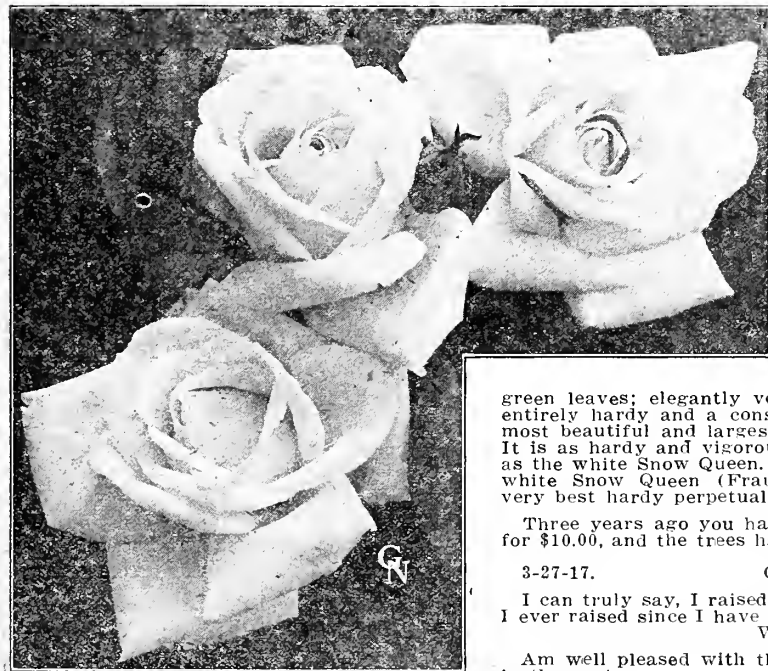
MRS. JOHN LAING. Immense flowers, full, double, borne in great profusion, on long, stiff stems, exceedingly sweet. Clear, bright, shining pink, exquisitely shaded. Buds long. Each, 35c; 3 for 90c.

SOLEIL D'OR. (Golden Sun.) Yellow is the one desirable color that has been lacking in hardy roses. This new rose is the result of a cross between Persian Yellow and Antoine Doucher. It is a fine, strong grower, producing superb, conical shaped buds, varying from gold and orange yellow to reddish gold shaded with nasturtium red. The flower is very full, large and globular, the petals in the center being well incurved. It is a robust, vigorous grower, with a brownish wood and beautiful bright green foliage. Should have a place in every garden. Each, 40c; 3 for \$1.10.

SNOW QUEEN. (Frau Karl Druschki) The finest snow white hardy hybrid perpetual rose. Pure white, large, long pointed buds of first class form. Open flowers are very large, perfectly double; petals shell shaped. Continuous free bloomer, as much so as most Hybrid Tea Roses. At last we have in this class a rose of purest snow white, whose desirability and value we could not possibly overstate. This is, in my opinion, the greatest new rose that has been introduced in many a year, if it is not today the greatest of all roses. Certainly no other white rose can begin to compare with it. An exceedingly strong grower and very hardy. Extra nice two-year-old plants, each, 40c; 3 for \$1.00.



Rhea Reid. (See Page 50.)



Kaiserin Augusta Victoria. (Page 50.)

SCENTED SNOW QUEEN.

(New.) In habit of growth and form of roses same as the old Snow Queen, but is very fragrant, while the old Snow Queen was not. Another good point, the roses come one only at the end of the branches and make, therefore, good cut flowers, while the old Snow Queen generally has three or more buds which open one after another. The branches are also less coarse. A great improvement over the beautiful old Snow Queen. **Price:** 45c each; 3 for \$1.20.

GEO. ARENDS, PINK SNOW QUEEN.

Splendid buds and immense flowers, 4 to 5 inches across, perfectly double and delightfully fragrant, large, thick petals, very durable and handsome. Bright, shining

green leaves; elegantly veined; a healthy, vigorous grower, entirely hardy and a constant and abundant bloomer. The most beautiful and largest pink rose now before the public. It is as hardy and vigorous and just as constant a bloomer as the white Snow Queen. In my opinion, both the pink and white Snow Queen (Frau Karl Druschki) are among the very best hardy perpetuals. **Price:** 40c each; 3 for \$1.00.

Three years ago you have sent me peach trees, and so on for \$10.00, and the trees have done fine.

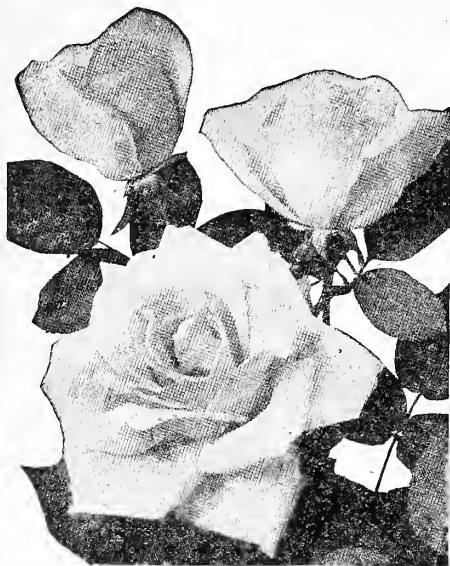
ADOLPH WEIDENMAIN,
Care R. Jamison, Greensburgh, Pa.

I can truly say, I raised the best garden of your seed that I ever raised since I have been making garden.

WILLIAM SHIPLEY, Altus, Ark.

Am well pleased with the goods I have ordered from you in the past.

B. GUENTHER,
821 N. Euclid Ave., Oak Park, Ills.



Snow Queen. (Page 51.)

ATTAR ROSE.

ROSA GALLICA. This is the genuine Rose from which Attar of Roses is distilled in East Roumania. It is very scarce on account of the severe laws against the export of the plants. Flowers are half double, pale rose, but exceedingly fragrant. I have a bush in my garden which some years ago I imported from Europe and which bears hundreds of Roses in June and from which I have propagated the plants I offer. Stock is limited. **Price:** Each, \$1.00; 3 for \$2.50.

MOSS ROSES.

Admired for the beautiful moss covering of the buds. The Moss Rose is strong and vigorous, perfectly hardy and very desirable for outdoor culture. Most varieties bloom but once in the season, but the flowers and buds are very large and handsome, remain in bloom a long time and are highly prized.

WHITE BATH. White, sometimes tinged with flesh; attractive in bud and open flower. The best White Moss. Each, 30c; 3 for 75c.

SALET. Light rose, medium size, very mossy; the best in its class. Each, 30c; 3 for 75c.

HENRY MARTIN. Red, well mossed, is a fine rose. Each, 30c; 3 for 75c.

HARDY CLIMBING ROSES AND RAMBLERS.

As an ornamental plant for covering porches, side walls, pillars, fences, etc., they are unequalled, calling forth more admiration than anything else that can be similarly used. They require but little care and are very hardy. My plants are field grown, hardy, two-year-old stock, 2½ to 3 feet high.

CLIMBING AMERICAN BEAUTY. A grand novelty of great merit. Cross between an American Beauty and an unnamed seedling, color rosy crimson, similar to its popular parent, and with same exquisite fragrance, a quality rarely found in climbing roses. Strong growth, making shoots 10 to 15 feet in one season, and as hardy as an oak. Flowers are from 3 to 4 inches in diameter, of fine form and are produced in great profusion, not only in May and June, but in a fair sprinkling of flowers throughout the growing season. Try a few; you will never regret it. I offer this new rose in strong two-year-old field plants, that will bloom this summer, for 50c each; 3 for \$1.25.

BALTIMORE BELLE. Flowers are pale blush, nearly white, double, in large clusters. It blooms very free. A strong grower and is hardy. Each, 30c; 3 for 75c.

THE BLUE ROSE. Veilchenblau or Violet Rose. This new climbing rose surpasses all others of recent introduction in having a blue color. The flowers appear in large clusters after the manner of the Crimson Rambler, are semi-double and of medium size. Upon first opening, the color is partly bright red and partly bright blue, turning soon a steel blue. The color is best described by saying it resembles that of early violets. This variety is a strong grower, has shining green foliage and few thorns. It has not been troubled with mildew and is classed among the hardiest climbing roses, withstanding the winters very successfully. With me it is not a very free bloomer, not nearly as free as Crimson Rambler. I could hardly call it a real blue. **Price:** 30c each; 3 for 75c.

CRIMSON RAMBLER. It is a vigorous grower, making shoots 10 to 20 feet high in a single season. Flowers glowing crimson and produced in immense panicles, covering the plant from top to bottom. Few roses have been more generally planted. **Price:** Each 30c; 3 for 75c.

NEW EVERBLOOMING RAMBLER. (Flower of Fairfield.) Sport of the well known and famous Crimson Rambler Rose. The new rose produces its lovely flowers until killing frosts stop further growth of the plant. The flowers are produced in great trusses, each carrying from 30 to 40 blooms of the brightest crimson, which remains undimmed to the end. Combined with the waxy pale green, red-veined foliage, the glowing crimson mass of bloom makes an irresistible effect. By blooming constantly, the new shoots are not as large as with the old Crimson Rambler, but the wood is more firm and less subject to mildew, another point in its favor. It is one of the finest and best novelties of recent introduction and will be very popular. Above is the introducer's description. I find, while it will bloom a number of times during the summer, it takes a very favorable season. In a dry spell, I cannot make it bloom, even by watering it. **Price:** 30c each; 3 for 75c.

PRAIRIE QUEEN. An old standby variety and very popular. Flowers bright golden red, globular, large and compact. Very strong grower. Each, 25c; 3 for 60c.

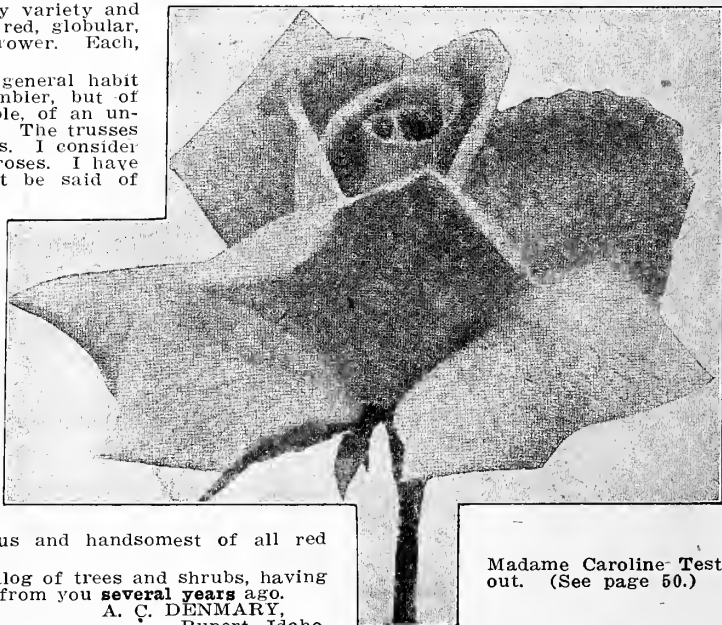
DOROTHY PERKINS. Pink. In general habit closely resembling the Crimson Rambler, but of a beautiful shell pink, full and double, of an unusually large size for a Cluster Rose. The trusses are made up of from 20 to 40 flowers. I consider this to be the finest of all climbing roses. I have never seen it mildew, which cannot be said of most of the Ramblers. **Price:** 30c each; 3 for 75c.

DOROTHY PERKINS. White. In general habit, bright green shining leaves and large clusters of flowers, about the same as Dorothy Perkins, Pink, except that the flowers are pure white. Both planted close together, and care being taken to have the branches cross each other, the effect when in bloom is very pretty. **Price:** 30c each; 3 for 75c.

EXCELSA. (Red Dorothy Perkins.) A grand novelty. Intense crimson scarlet, double flowers in brilliant clusters, set in glossy, shining foliage, which never mildews or spots. An intensified Crimson Rambler, which it promises to displace. Extremely vigorous and handsomest of all red climbers. Each 35c; 3 for 90c.

I would like to have your 1916 catalog of trees and shrubs, having ordered some very satisfactory stock from you several years ago.

A. C. DENMAY,
Rupert, Idaho.



Madame Caroline Testout. (See page 50.)

HARDY CLIMBING ROSES.—(Continued.)



General Jacqueminot. (Page 51.)

ANNIE MUELLER. One of the very best of the Baby types. The flowers come in clusters, but with longer stems and are not so close together and therefore, the more graceful. Are a shining, beautiful pink, and after the rose is fully opened the petals roll up, not unlike a Cactus Dahlia. I am sure you will like this variety. **Price:** 35c each; 3 for 90c.

CATHERINE ZEIMET. A most beautiful companion to the Crimson Baby Rambler, growing to the same height and bearing great masses of double, pure white flowers, covering the plants as with a mantle. The roses are delightfully scented, reminding one somewhat of a hyacinth. **Price:** 30c each; 3 for 75c.

ELLEN POULSON. A novelty, dark brilliant rose, well scented, with large flowers. Blooms from May till October; fine for bedding, also for forcing. **Price:** 30c each; 3 for 75c.

BABY TAUSENDSCHOEN. (Thousand Beauties.) A grand novelty of the Baby Rambler type. Flowers appear in large clusters the same as with the climbing "Thousand Beauties," are of a good size, of the same beautiful colors, all shades from pink to white and yellowish. Blooms all summer. A grand novelty that is sure to give satisfaction. I counted 37 nicely developed roses on one small limb this summer. **Price:** 30c each; 3 for 75c.

ERNA TESCHENDORF. The new Polyantha Rose of the future. It beats all red Baby Rambler varieties of roses. The color is more intensive fiery red than Gruss an Teplitz, and the blooms are more double and fuller than the old red Baby Rambler. The flower does not get a bluish shade and the blooms stand hot weather well. Can't be matched for forcing; not to be beaten for bedding purposes. Received prizes at Hamburg and Berlin flower shows. **Price:** 50c each; 3 for \$1.25.

GRUSS AN AACHEN. Novelty. This is probably the very best Baby Rambler Rose in cultivation. The picture on this page is from a branch cut in my son's garden. The Roses are large for a Rambler, about the same size as Gruss an Teplitz. I cannot call it strictly a yellow rose; when the bud first comes out it looks rather more pink, but on opening fully turns in the middle to a coppery yellow, with a whitish pink edge. The rose is very fragrant, lasts well, therefore a good cut flower. Gruss an Aachen produces more flowers than any Hybrid Tea Rose. See the number of fully developed and partially opened flowers, also the many buds just coming out, on the picture. The plant is a vigorous grower, getting about 2 feet high. To me it is one of the most satisfactory roses. Plant freely of them, you will be perfectly pleased with same. **Price:** 60c each; 3 for \$1.50.

THOUSAND BEAUTIES. (Tausendschoen.) The most sensational climbing rose yet introduced, not even barring Crimson Rambler. A single cluster of flowers is a bouquet in itself, hence the very fitting name, "Thousand Beauties." Blooming profusely from the beginning of June until the last of July, the flowers appear in large clusters (10 to 15 in a cluster), are of splendid size and quite double. The colors run from delicate balsam to tender rose through the intermediate shades of bright rose and carmine, with the white, yellow and various other indescribable tints showing. There is no other rose in cultivation like it. It is a strong grower, with but few thorns and magnificent foliage. The most remarkable rose of its kind in the world. After trying this rose a number of years, I can recommend it to my customers. **Price:** 30c each; 3 for 75c.

SEVEN SISTERS. (Grevillea.) White and crimson, making it unique, as both white and crimson flowers may be seen on the plant at the same time. Blooms in large clusters. Each, 30c; 3 for 75c.

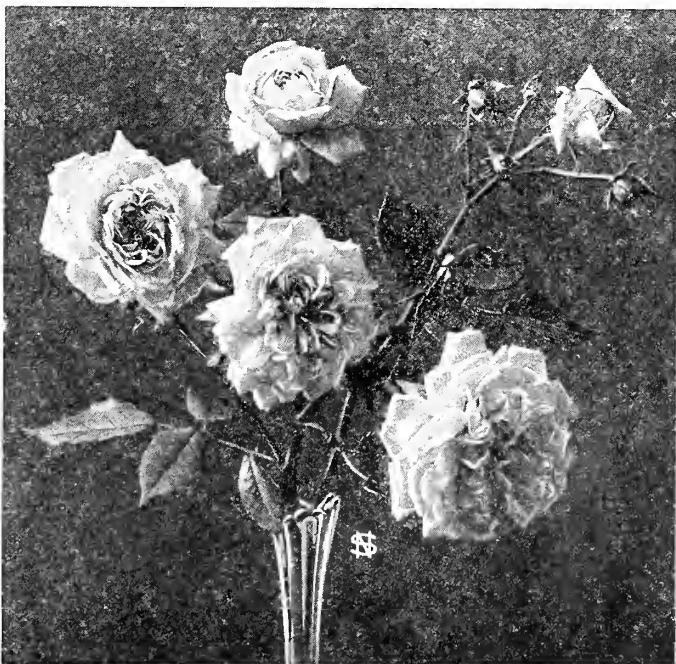
YELLOW RAMBLER. (Aglai.) It is related to the Crimson Rambler, and like it, blooms in large trusses. Flowers are double, very fragrant, of light yellow color. Each, 30c; 3 for 75c.

BABY RAMBLERS.—(Dwarf Polyantha Roses.)

A type of Roses which is very popular for bedding purposes or for borders around rose beds, or along walks. They form shapely, compact, bushy specimens about 18 inches high and produce in great profusion immense trusses of small flowers from May till severe frost. This variety of Roses I cut back in the fall pretty severely and bank them up some with dirt.

RED BABY RAMBLER. (Madame L. Levavasaur.) One of the best hardy bedding roses in existence. The plants are very vigorous and grow 18 to 24 inches high. The foliage is dark, glossy green and remarkably free from insects and fungus. The flowers are borne in clusters of 20, 30 or more to the cluster, in every way resembling the blossoms of the Climbing Crimson Rambler. It is perfectly hardy and blooms all the time indoors, and from May to November outdoors. Splendid for making a border. **Price:** 30c each; 3 for 75c.

BABY DOROTHY. (Maman Levavasaur.) This magnificent Baby Rambler is equally as meritorious, if not more so than Red Baby Rambler, which has become so famous. Of dwarf growth, it blooms practically all the time, producing in amazing quantities large clusters of panicles of its beautiful pink flowers, which are full and double, the color of which is almost identical with the flowers of Dorothy Perkins. Entirely hardy. **Price:** 30c each; 3 for 75c.



Gruss an Aachen.

Above is a single branch, cut from a 2-year-old, field-grown bush, same as I offer to my customers. Bush was set out in my son's garden last April and the branch was photographed in July.

SUMMER ROSES.

The roses of this species are summer or spring bloomers, but they flower so profusely and their rich coloring is so intense that they deserve a place in all collections. These roses bear on the terminals of a preceding year's growth, and pruning must be done just after blooming.

MADAME PLANTIER. Flowers are pure white, large, full and double; produced in great abundance early in the season. Hardy. Suitable for cemetery planting. Each, 30c; 3 for 75c.

PERSIAN YELLOW. The hardy yellow rose of your mother's garden. Perfectly hardy. Flowers are semi-double, and a golden yellow in color. Each, 35c; 3 for 90c.

EVERGREEN MEMORIAL ROSES AND HYBRIDS.

The Memorial Roses are of the most charming and unique beauty, very valuable wherever an absolutely hardy Climbing Rose is required, forming lovely objects in the garden while in bloom, and splendid for covering unsightly objects.

WICHURIANA. (White Memorial.) The plant clings closely to the ground, rapidly branching and covering any surface. The flowers appear in July and continue throughout the season, forming showy clusters of pure white blossoms. Single and of sweet fragrance. Entirely hardy everywhere. Used extensively in cemeteries, rock work, etc. Each 30c; 3 for 75c.

SWEETHEART. A beautiful shade of rosy pink, free and continuous bloomer, suitable for the cemetery. Price: 35c each; 3 for 90c.

TREE ROSES.

These are grafted on hardy rose stalks, 4 feet high, are tree shaped, and when in full bloom are fine objects of beauty, making handsome plants for the lawn, or as border plants along the sidewalks or driveway. They are coming into popular favor and at the low price we are offering them this year, everyone can set out a few of these pretty tree roses in his yard or on the lawn.

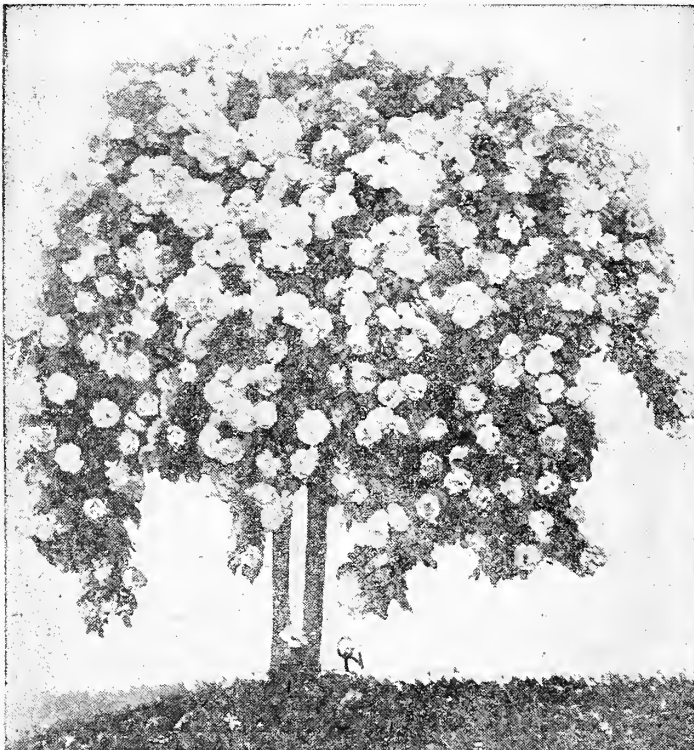
CRIMSON RAMBLER TREE ROSES. No other rose is so well adapted for growing in tree form. The branches droop gracefully and reach nearly down to the ground, forming a regular weeping tree. Price: 90c each; 3 for \$2.40.

BABY RAMBLER TREE ROSES. A most attractive novelty in hardy roses. Budded on strong, straight stems, four feet high; the round, bushy Baby Rambler is at all times a perfect mass of crimson bloom. Most floresent of all roses, blooming continually until late in the fall. Price: 90c each; 3 for \$2.40.

HYBRID PERPETUAL TREE ROSES. These hardy, free-blooming roses I have in the following colors: Red, Pink, and White. Price: 90c each; 3 for \$2.40.

EVERBLOOMING MONTHLY TREE ROSES. I can furnish the following colors: Red, Pink, White and Yellow. Price: \$1.00 each; 3 for \$2.60.

A THOUSAND BEAUTIES TREE ROSE. The picture of the Thousand Beauties Tree Rose which I show on this page was taken in my garden. The tree was then two years old, growing the third year, and had over one thousand roses on at one time. It bloomed for some time over three weeks. No tree could be prettier. The roses are double and from pink to shell pink to pure white. Here I wrap the tree over winter with long straw or slough hay, but south of here the tree would be perfectly hardy. As this variety is really a climbing rose, it droops its branches very gracefully when grafted on a rose stem. Price: About 4 feet high, \$1.00 each; 3 for \$2.55.



A Thousand Beauties Tree Rose, the Third Summer After Setting Out. Photographed in my Garden.



Herewith a picture of the Baby Thousand Beauties Tree Rose, I bought of you last spring. The photograph was taken nine weeks after transplanting. I counted 59 roses of light pink color. The second blooming there were 61 roses, white with pink and bluish spots. The third blooming 57 roses of almost a red color. The little tree bloomed continuously until frost put an end to it. This rose deserves its name of "A Thousand Beauties." Many lovers of roses enjoyed the beauty of the little tree.

Rev. H. Heitfeld,
Ft. Morgan, Colo.

BABY THOUSAND BEAUTIES TREE ROSE.

While this will not make as big a top and will not weep like the Climbing Thousand Beauties Tree Rose, it will nevertheless make a good head and will bloom all summer. See photograph. Price: \$1.00 each; 3 for \$2.55.

TREE ROSES IN TWO COLORS.

I have a few hundred Tree Roses, on which are grafted two varieties of roses. Always one white and one red, or one pink and one white. They bloom just as well as one variety alone, are very pretty and somewhat odd and unique. Plant a few and surprise your neighbors. Price: \$1.25 each; 3 for \$3.30.

RUGOSA RUBRA.

Plant grows 4 to 5 feet high and is very ornamental with its beautiful, large glossy foliage, distinctly wrinkled. Blooms all season. Flowers single, very large, of a most beautiful bright rosy crimson, succeeded by large berries of a rich red color. Makes a beautiful low hedge. Price: 30c each; 3 for 75c.

Will you please send me your catalog of nursery stock. Mr. Buckner of the Palmer Lumber Co. at Hereford told me you had the best stock for this country.

1-20-16.

JOHN GREGORY,
Hereford, Texas.

HERBACEOUS PERENNIAL PLANTS.

Perennials have never been so popular as they are at the present time. Their permanency appeals to all. They are planted once and are always there; living through the winter with little or no protection, the flowers become better as the plants grow older. Will grow well in any soil, which may be enriched with decomposed manure or bone meal. The varieties I list are all perfectly hardy, the tops dying down in winter, but coming up early in the spring. My prices are for field grown plants. These plants cannot well be shipped by freight in a box. They should go by parcel post or express, so I will give prepaid prices only. I can ship perennials all fall, and fall is a very good time to plant them. In the spring I commence digging and shipping perennials about Mar. 25, and can continue until May 10.

ACHILLEA. "THE PEARL."

The finest of all plants for cemetery planting. The plants grow about 15 to 20 inches high and are completely covered with double pure white flowers from July until frost. A fine cut flower. Is daintily formed; quite double flowers are borne on long stemmed, branching sprays so profusely as to give a refreshing, cool, airy effect through the summer heat and late into fall. Price: 15c each; 10 for \$1.20, by paid parcel post.

ANEMONE JAPONICA.

JAPANESE WIND FLOWER.

These beautiful hardy plants are not appreciated as they should be. They make a magnificent garden show and furnish an abundance of cut flowers. They commence blooming in August and increase in beauty until heavy frost. I grow the following varieties:

WHIRLWIND. Flowers semi-double, pure white.

BRILLIANT. Beautiful dark red.

QUEEN CHARLOTTE. Flowers very large, semi-double, color a soft pink.

Price: Each 15c; 10 for \$1.20, by paid parcel post.

AQUILEGIA (Columbine).

The Columbines have established a place in all old-fashioned gardens. Their curious forms and many pleasing shades of color and the readiness with which they adapt themselves to all localities, have made them prime favorites. See illustration.

CHRYSANTHA. The Golden Columbine. Flowers very numerous. 2 to 3 inches across, bright yellow. In bloom all summer. Height 3 to 4 feet. Easily grown in any good garden soil.

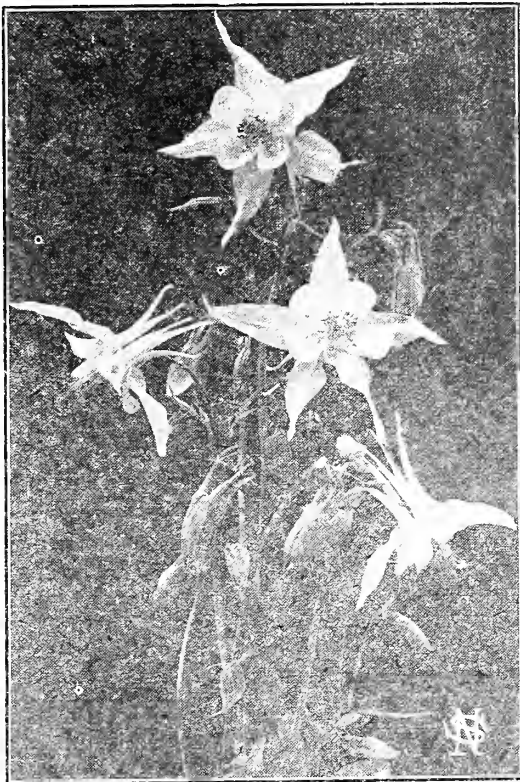
COEURULEA. The true Rocky Mountain Columbine. An exquisite flower with pale blue sepals and white petals. Grows about 1½ feet high and blooms from May to July.

VULGARIS. The well-known garden Columbine, in all shades of blue and purple. Very free blooming. Height 2 feet.

Price: Each 15c; 10 for \$1.20, by paid parcel post.

ARTEMESIA PONTICA.

Beautiful plant for border or filling in within the shrubbery. The foliage is silvery white, finely cut, and has a peculiarly agreeable fragrance. I have used this plant with good success to hold steep banks and terraces, especially on a south exposure.

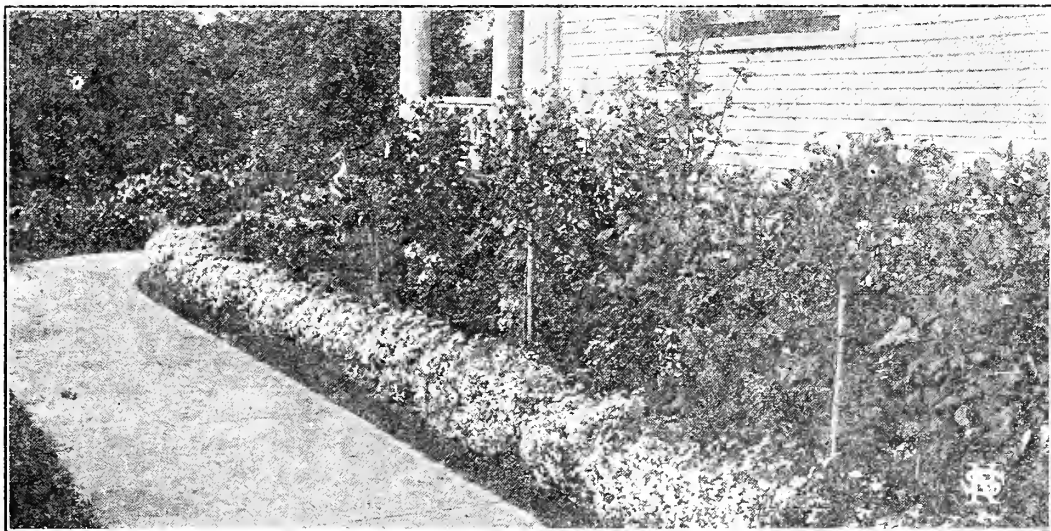


Aquilegia, Columbine.

where blue grass will not grow. Used thousands of them in the Beatrice Athletic park to hold up the steep banks. Grows readily in any soil and can stand any amount of dry weather. Price: 7c each; 10 for 50c; \$5.00 per 100 postpaid; 1,000, not prepaid. \$30. Plant 10 in. apart each way for holding banks.

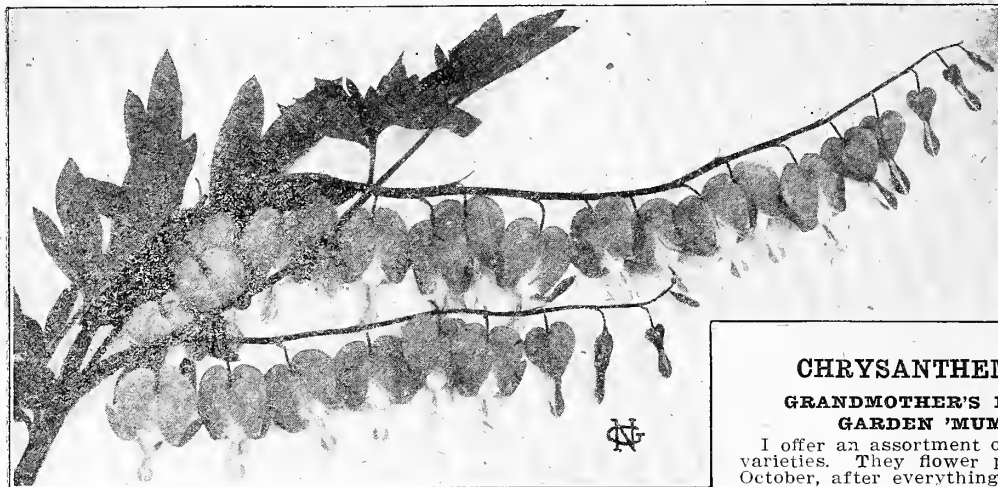
ANCHUSA ITALICA.

Bearing all summer panicles of clear, sky-blue flowers similar to the Forget-me-not. A very useful perennial, growing 3 feet high, and commences to bloom in July. Planted with Oriental Poppies, they make a splendid effect. Each 15c; 10 for \$1.20.



Along the east side of my house, first from the sidewalk, Achillea, the Pearl; little trees are Tree Roses and between these are Delphiniums. Back of the Tree Roses are Dahlias in different colors. These all have done very well and the afternoon shade does not seem to affect them.

PERENNIAL PLANTS.—(Continued.)



Bleeding Heart. (Dicentra.)

ASTERS. (Michaelmas Daisies.)

These are among the showiest of our late flowering hardy plants, giving a wealth of bloom at a season when most other hardy flowers are past, and for best effect should be planted in masses of one color. They grow freely in any soil.

MULTIFLORUM. The plants form bushes 2 to 3 feet tall, literally covered with pretty little white flowers. Blooms September and October.

NOVAE-ANGLIAE. New England Aster. The richest and gayest of our native Asters; has the largest flowers and is usually conceded to be the finest. It ranks "among the best of all the hardy border plants." Its stout, leafy stems vary from 3 to 5 feet in height, and its beautiful violet-purple flowers appear from September to October.

TATARICA. 2 to 3 feet high, free flowering. Blossoms large, of a lovely bluish color. Blooms in October.

Price: 15c each; 10 for \$1.20 by paid parcel post.

BLEEDING HEART. (Dicentra.)

Bleeding Heart, the popular name of the Dicentra, is derived from the curious heart-shaped blossoms with the drop of blood below. These fine, hardy perennials were great favorites in the old gardens. Fine for the border or margins of shrubbery. In the spring these plants bear beautiful heart-shaped flowers of a light red color. The stems grow 12 to 18 inches high, with abundant deeply cut leaves of light green color. Price: 20c each; 10 for \$1.80, by paid parcel post.

BABY'S BREATH. (Gypsophila Flora Plena.)

This is a new variety of Baby's Breath. The little flowers are double, like charming dainty little rosettes, on delicate lacy stems about 2 to 2½ feet high. There is no better flower for a spray effect in a bouquet. Price: 20c each; 10 for \$1.80 by parcels post.

COREOPSIS.

COREOPSIS, YELLOW. One of the most popular hardy plants. The flowers are of a rich golden yellow of graceful form and invaluable for cutting; in bloom from June till autumn. It succeeds everywhere. Height 1½ to 2 feet. A group of these plants furnishes an unending mass of rich glowing color. The plants grow vigorously in any sunny situation. Should be more freely planted. Price: 12c each; 10 for \$1.00, by paid parcel post.

CANTERBURY BELLS. (Campanula.)

An old-time favorite, growing 2 to 3 feet high and bearing in great profusion very pretty bell-shaped flowers. The Campanulas give to our gardens exceedingly pretty flowers for almost every situation, moist or dry, sunny or shaded, and the flowers are produced even in summer drought. Valued for cut flowers. See illustration, page 57. Shades blue, white and rose mixed. Price: 15c each; 10 for \$1.30, postpaid.

CHRYSANthemum.**GRANDMOTHER'S HARDY GARDEN 'MUMS.**

I offer an assortment of the hardy varieties. They flower profusely in October, after everything else in the garden has been killed. They are excellent for cut flowers and bouquets. Sure bloomers and satisfactory growers that should be included in all orders.

Even after several light falls of snow, in sheltered positions, it is sometimes possible to cut uninjured clusters of beautiful flowers. The fine, thick foliage makes a good screen or background, and their own blossoms spring into fullest beauty when the earlier flowers are gone.

LARGE FLOWERING YELLOW. Height 2½ feet. Fine double flowers.

DWARF WHITE. 2 feet. Flowers medium size.

TALL WHITE. 2½ to 3 feet. Fine double.

LARGE FLOWERING PINK. Height 2½ feet. Splendid variety.

Price: 15c each; 10 for \$1.20, by paid parcel post.

CACTUS.

MALTA, EDIBLE AND SPINELESS. The leaves, which are plump and thick, grow very large, sometimes 2 feet long and nearly 18 inches wide. They are perfectly spineless and make one of the best forage crops for cattle, dairy cows, horses, hogs, sheep and poultry. The plant grows in one year to an enormous size. I planted some in pots and they all made three or four large leaves over summer out doors. Planted in the open, they, of course, would get much larger, also I could only leave them out doors (in pots) about 4 months, but they keep on growing well in the house. The fruit in size of a goose egg is fine, delicious and good to eat. Can naturally only be planted in the south, but as above stated, will do well in pots in the house. This Cactus is multiplied best by planting a leaf, say about 4 to 6 inches deep. For indoors I use 8-inch pots and will transplant in a size larger from time to time as the plant gets larger. Leaves root readily. Price: 1 leaf, 25c; 3 leaves for 65c, postpaid; 100 leaves for \$15.00, by express or freight, not prepaid.



Top of Multiflorum Aster.

PERENNIAL PLANTS.—(Continued.)

DESMODIUM PENDIFLORUM.

(SWEET PEA SHRUB.)

A most magnificent shrub, covered from first of September till frost, with red pea blossoms in enormous quantities. In fact, so many flowers are on the branches that they give to the plant a drooping effect which greatly enhances its beauty. Grows to a height of about 4 feet. Does well here in Nebraska and is perfectly hardy here. The branches all freeze to the ground in the fall and come up again in the spring. North of here it might be well to cover with a little straw over winter. **Price:** 40c each; 10 for \$3.50, by paid parcel post.

EULALIA. (Miscanthus.) Ornamental Grasses.

Beautiful hardy ornamental grasses with handsome foliage and numerous feathery panicles, 4 to 6 inches long. It will thrive in almost any kind of soil. Plants grow 3 to 5 feet tall; are among the best, most popular grasses for groups, bedding purposes or hedges. Splendid in corners of the house.

LINEATUM. Striped Eulalia. The leaves are striped green and white. It is very ornamental. **Price:** Each 15c; 10 for \$1.25 by paid parcel post.

ZEBRINA. Zebra Grass. Leaves banded crosswise with green and light yellow. Brilliant and effective for hedges. **Price:** Each 15c; 10 for \$1.25 by paid parcel post.

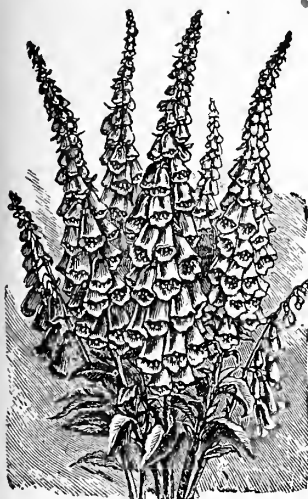
PHALARIS.
(Ribbon Grass.)

A tall, hardy grass with variegated foliage and a common plant in old-fashioned gardens. It thrives in almost any kind of soil or exposure. Stems 2 to 5 feet tall, with graceful, drooping foliage. **Price:** Each, 15c; 10 for \$1.00, postpaid.

We have ordered seeds and plants from you for **two years** now and have been entirely pleased with the condition in which most everything reached us.

MRS. ELBERT LEIGHTY,
Table Grove, Ills.

2-7-17.



Digitalis or Foxglove.

DIANTHUS
BARBATUS.

SWEET WILLIAM. Charming, hardy plants, great favorites in every garden. Stems 12 to 18 in. high. Flowers in greatest profusion in large, round-topped clusters. Sweet William gives masses of colors as brilliant as any of our perennials. Its splendor lasts five weeks, then, if fading branches are cut away, fresh ones appear at intervals all summer. **Price:** 15c each; 10 for \$1.25 postpaid.

GARDEN OR GRASS PINKS. (Dianthus Plumarius.) Thick tufts of handsome bluish-green foliage and pretty, carnation-like, very fragrant flowers. Very hardy and grows well anywhere. **Price:** 15c each; 10 for \$1.20.



Dianthus, Sweet William.

DELPHINIUM. (Larkspur.)

One of the finest sights of modern gardens is a fine collection of blooming Larkspurs. They give us the greatest abundance of flowers and utmost variety in tints and shades of blue during June and July. The Delphiniums make good border backgrounds. Although the plants thrive in any good garden soil, a deep rich, loamy one, with sunny exposure is best.

FORMOSUM. Showy plants, growing 2 to 3 feet tall. Flowers deep blue with violet spurs. The stout stems are clothed with fine delicately cut leaves. Blooms persistently through the summer.

CHINENSIS. The Chinese Larkspur. A fine and sturdy old type, fascinating because of its many variations as well as for its beauty. The leaves are finely cut and fernlike, the flowers single or double and colors ranging from clear deep blue to creamy white. For about ten weeks of mid-summer it makes a grand display of bloom.

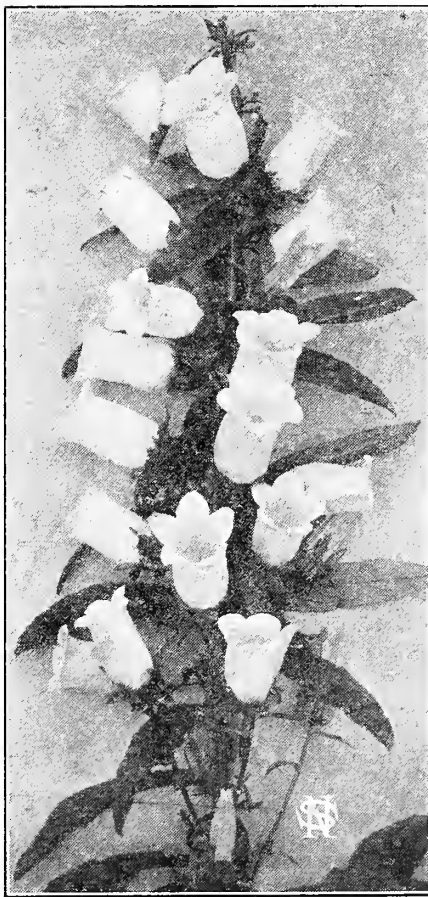
Price of above varieties: Each 17c; 10 for \$1.50 postpaid.

DIGITALIS or FOXGLOVE.

An old-fashioned flower that should be planted in quantity. Succeeds under all conditions; furnishes a grand display during July and August. The flowers are very showy, thimble shaped and are borne close together on stalks 3 to 4 feet high. For backgrounds and contrast among the shrubbery, it is a very fine plant. Grows well in a half shady position.



Eulalia Grass in Bloom.



Canterbury Bells. (Page 56.)

**GLOXINIA
AEFLORA** ALBA. White, large flowering. Fine for cutting.

**GLOXINIA
AEFLORA** ROSEA. Rose, colored, bright and showy.

Price: 15c each; 10 for \$1.25 by paid parcel post.

PERENNIAL PLANTS.—(Continued.)**GAILLARDIA GRANDIFLORA.**

Among the everblooming hardy plants there is none more showy or ornamental than this. Flowers borne in prodigious profusion from June to frost; useful for cut flowers. They are of gorgeous coloring, dark red-brown in center with bands of crimson orange and vermillion, meriting the popular title of "Aurora Flower." Height 2 feet. I find this to be one of the best perennials in my garden. It is very hardy, needs little care, blooms continuously all summer, has long stems and therefore can be used in almost any bouquet. Those who wish flowers and have not much time to take care of them should plant Gaillardias. A good mate to Shasta Daisies. **Price:** For strong, out-of-door grown plants, 15c each; 10 for \$1.30, by paid parcel post.

HIBISCUS. (Rose Mallow.)

Tall, free-flowering, hardy plants with remarkably large and showy flowers. Thrives in most loamy soils, producing throughout a long period numerous mammoth flowers, sometimes 6 to 8 inches across. Plants grow 3 to 5 feet tall.

CRIMSON EYE. Flowers very large, crimson white, with creamy center.

MOSCHEUTUS. Extra large, beautiful flowers of a light rose color and with a purple eye.

Price for both above varieties: 15c each; 10 for \$1.25, by paid parcel post.

HOLLYHOCKS.

Among the very finest of old hardy garden plants, the Hollyhock still holds a proud place and may be termed one of the great flowers of July. It has the widest range of colors among tall garden plants. Flowers are very showy, produced in great abundance on long, towering spikes. Height 6 to 8 feet. Blooming period June to August. I have the **Double White, Double Dark Red, Double Pink, Double Maroon, Double Yellow.** They are very hardy and need no protection, but like good rich soil. It makes a good border background. Can be used as a screen for a fence or other unsightly places. **Price:** 12c each; 10 for \$1.00, by paid parcel post.



Gaillardia. Fine for cut flowers; should be in every garden.

LOBELIA CARDINALIS.

A perennial variety of the Lobelias. Grows about 1 to 1½ feet high, with strong shoots or stems and a large number of branches, on which the fiery scarlet red flowers appear. Blooms freely from July until the end of September. Plant quite close together; the stems will stand up better and the effect of the flowers will be more intense. While the plant is considered hardy, I cover them over winter with a little coarse manure or leaves. One of the very best of the dark red flowering perennials. **Price:** 15c ea.; 10 for \$1.30.

MALLOW MARVELS.

Most Gorgeous Perennial Creation of the Twentieth Century.

The plants are perfectly hardy and grow from strong, fleshy roots to a height of 6 to 8 feet in one season. They seem to thrive in almost any soil, having a preference, however, for a moist, rather than a dry situation. In the last days of July the blooms appear and con-

tinue until late fall. The huge flowers, some of them measuring over ten inches in diameter, come in the most gorgeous and brilliant shades of crimson, white and pink. They seem to be immune from the attacks of insects or scale, and I have yet to find anyone who cannot be successful with them. As regards their hardiness, I can only say that in the coldest regions of Canada they have withstood a temperature many degrees below zero, without any protection. You can't make a mistake in getting the gorgeous Mallow Marvels. They are sure to please you, as they have thousands of others. I can supply them Pink, Crimson and White. I always put some short manure on my Mallow Marvel bed in the fall and then spade it in early in the spring as they like a very rich soil. **Price:** For heavy, strong roots, 35c each; 10 for \$3.00. By paid parcel post, heavy plants, 50c each.

About nine years ago I planted an orchard in Northwestern Oklahoma and obtained all my trees through you. Same did very well.

F. W. C. BOESCHE,
Lenapah, Okla.

2-8-16.



Delphinium, Larkspur. (Page 57.)

PERENNIAL PLANTS.—(Continued.)**PLATYCODON. (Chinese Bellflower.)**

An extra good, very hardy and free flowering perennial. Grows $1\frac{1}{2}$ to 2 feet high. Flowers are a lovely shade of blue and they come from June until October. I also have them in pure white. This is one of the most free flowering plants and I cannot understand why it is not planted more. It grows well in sunny or shady places, almost in any soil, and does not need much attention. Useful for bouquets in a time when flowers are scarce. The price is low and you will get plenty of flowers the first season. **Price:** Either blue or white, 15c each; 10 for \$1.20, by paid parcel post.

PHYSOTEGIA VIRGINICA.**(False Dragon Head.)**

The flowers of this plant are borne on dense spikes of purplish pink color, of very delicate but conspicuous beauty. The spikes are three to four feet high, with plenty of branches, very plenty. I use them often in very large bouquets. The plants are easily grown, increase freely and are very hardy, needing no protection here. Eight or ten of these planted in a group will give you a mass of cut flowers. **Price:** 15c each; 10 for \$1.20, by paid parcel post.

Oriental Poppies.**ORIENTAL POPPIES.
(Papaver Orientale.)**

These are the regal representatives of this popular genus, far surpassing in splendor of bloom all the annual and biennial kinds, and for a gorgeous display of rich and brilliant color nothing equals them during their period of flowering in May and June, and whether planted single or in masses, their large flowers and freedom of bloom render them conspicuous in any position. They are of easiest culture; almost any kind of soil suits them, but they do best in deep, rich loam; set the plants out in fall or very early spring; give them water occasionally during dry spells in the early part of the season; mulch with stable litter in fall, and they will increase in size and floriferousness for several years. **Price:** 25c each; 10 for \$2.30, by paid parcel post.

RUDBECKIA. (Golden Glow.)

A fine, hardy plant that should find a place in every garden. It will be found excellent for cut flower purposes. Plant attains a height of 4 to 6 feet and will produce hundreds of large blossoms of brilliant, golden yellow during August and September. **Price:** Each, 15c; 10 for \$1.20, by paid parcel post.

SALVIA.

BLUE SAGE. Rocky Mountain species that grows 3 feet tall and produces pretty sky-blue flowers in August and September. Exquisite for cutting; one of the finest plants for the border. Very hardy. **Price:** Each 15c; 10 for \$1.20 by paid parcel post.

SHASTA DAISY.

Remarkably large, semi-double daisies, 3 to 4 inches across and pure white, with petals in two or more rows about a golden center. The plant is extra vigorous and maintains a fine show of great flowers throughout the summer and autumn. A splendid border plant and of great value for cutting. My plants are strong, field-grown and will bloom abundantly the first season. **Price:** Each 15c; 10 for \$1.25, by paid parcel post.

**VIOLA ODORATA.
(Sweet Scented Violet.)**

This is the hardy kind, that here in my garden needs little or no protection. Fine for a border for flower beds. A cool, somewhat shady place is best for them. It blooms early in the spring and again in the fall, when the weather gets cooler. Flowers are very fragrant. A dozen little flowers will scent a whole room. Needs little care, is easily transplanted and blooms very freely. **Price:** 12c each; 10 for \$1.00 by paid parcel post.

I set 2,500 of your trees out about seven years ago and they certainly are fine.

1-11-17.

J. N. HANCOCK,
R. R. 2, Ellettsburg, Ind.

Mallow Marvels, Border of Violets in Front.
Picture taken in my garden.

PERENNIAL PLANTS.—(Continued.)**HARDY FERNS.**

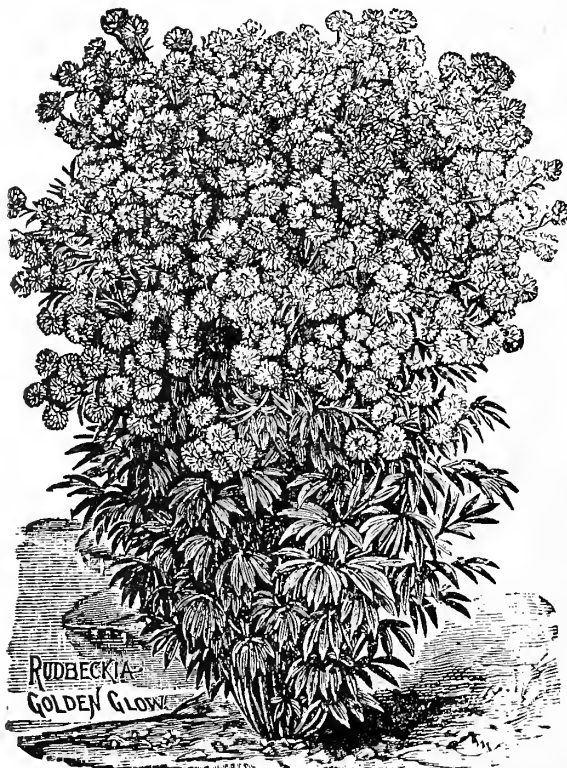
I offer only very hardy Ferns, natives of Minnesota. They do well in shady and half-shady places in the garden and park, and are often used for growing close to houses in corners which are too dark for most plants. While the native ferns are, of course perfectly hardy, most of them are better off with a light covering of leaves in winter. In their natural habitat they are usually well covered with leaves and snow throughout the winter. The hardy ferns do not make satisfactory house plants. Most ferns ripen up their leaves in the fall and remain dormant all winter, even under favorable conditions.

MAIDENHAIR FERN. (*Adiantum Pedatum.*) One to three feet high. Frond, forked at the summit of the slender, polished black stalk, the recurved branches bearing on one side several slender, spreading pinnate divisions; pinnæ oblique, triangular oblong. **Price:** 30c each; 10 for \$2.50 by paid parcel post.

WOOD FERN. (*Aspidium Spinulosum.*) The plant varies greatly in height, breadth and way of holding itself. Sometimes the fronds stand three feet high and are broad and spreading. Again, they are tall, slender and somewhat erect. At its best it grows with almost tropical luxuriance and is a plant of rare beauty, its fronds having a certain feathery aspect. **Price:** 30c each; 10 for \$2.50, by paid parcel post.

CINNAMON FERN. (*Osmunda Cinnamomea.*) A large fern growing in a crown 2 to 5 feet high. Sterile fronds broadly lance-shaped, once pinnate; pinnæ cut into broadly oblong divisions that do not reach the midvein, each pinnæ with a tuft of rusty wool at its base beneath. The plant is a superb one when seen at its best. Its tall, sterile fronds curve gracefully outward. The *Osmundas* are easily cultivated and group themselves effectively in shaded corners, while they do fairly well in the most exposed sunlight. **Price:** 30c each; 10 for \$2.50, by paid parcel post.

OSTRICH FERN. (*Onoclea Struthiopteris.*) Grows in a crown 3 to 10 feet high. Fronds, broadly lance-shaped, once pinnate; pinnæ divided into narrow, oblong segments which do not reach the midvein. Great plume-like frond of a rich green. This magnificent plant luxuriates on soil which is subject to an annual overflow. Its vase-like masses of foliage suggest the Cinnamon Fern, but the fertile fronds are dark green, while those of the Cinnamon Fern are golden brown. The Ostrich Fern does well under cultivation and it propagates sometimes by means of underground runners. **Price:** 35c each; 10 for \$3.00 by paid parcel post.



Rudbeckia. (See page 59.)



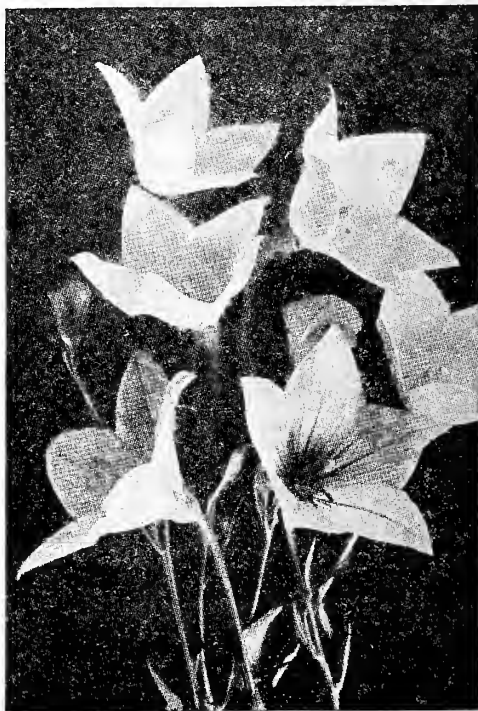
Shasta Daisy. (Page 59.)

STOKESIA. (Stoke's Aster.)

This beautiful plant grows 1 to 2 feet high, and produces in great profusion Aster-like flowers from 4 to 5 inches across; it is of easy culture, succeeding in any open position, used as a cut flower and for planting in masses in the hardy border. Each, 15c; 10 for \$1.25, by paid parcel post.

YUCCA FILAMENTOSA. (Adam's Needle.)

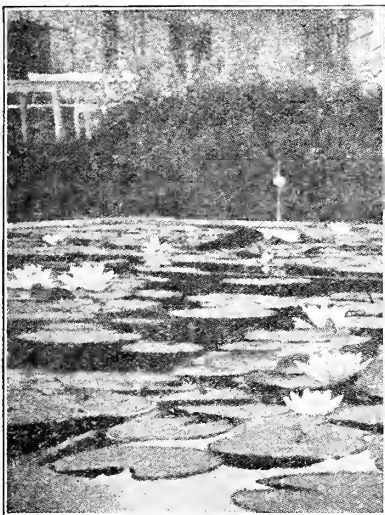
Tropical looking plant with long, narrow leaves; remains green the entire year. Grows in clumps and throws up a flower stalk 3 to 4 feet high, from which hang from 100 to 300 creamy white, bell-shaped flowers. It blooms a long time. A fine plant for the lawn or cemetery. 15c each; 10 for \$1.20, postpaid.



Platycodon. (See page 59.)



Hardy Ferns. (Page 60.)



Water Lilies.



Lilium Candidum. (Page 62.)

PERENNIAL PLANTS.—(Continued.)

TRITOMA.

FLAMING TORCH. 3 to 4 feet high. Dazzling scarlet, lower half tinged with rich orange. In the North the roots should be taken up in the fall. Blooms August to October. **Price:** Each, 20c; 3 for 50c by paid parcel post.

WATER LILIES.

The flowers are very fascinating, interesting and pretty and can be grown with very little trouble or risk of failure. I only offer hardy varieties from my own pond. I do not dig them in the fall, but leave them in the pond over winter; freezing does not hurt them. Plant them in the spring, either in a pond, lily-tank or tub. Fill the tub two-thirds full of turfy soil, enriched with some decomposed barnyard manure, cover with 2 inches of sand and fill with water. The crown of the plant should be placed just under the surface of the soil, both in the tub or pond. Ready to ship in the spring about May 1st.

NYMPHAEA ODORATA. The well known pond lily with large white flowers that are very fragrant. Leaves lay flat on the water and are of medium size. **Price:** 45c each by parcels post.

NYMPHAEA ODORATA SULPHUREA. One of the very best new Water Lilies, with large yellow, fragrant flowers, standing a few inches out of the water. It is very free blooming and has the fragrance of Nymphaea Odorata. The leaves are deep green, beautifully mounted with reddish purple or brown spots; a great acquisition. **Price:** 45c ea., by parcels post.

NYMPHAEA TUBEROSA ROSEA. Flowers of an exquisite shade of pink, standing well above the water; petals somewhat concave; a strong, vigorous grower. **Price:** 45c each, by parcels post.

I got the trees in due time and have them all set out. The apple trees are extra fine. I thought my trees last year were the best I had ever seen, but they are better this year. The cherries are fine, all pulling out nicely and the plums are much larger than I expected. In fact, I intend to buy all of my trees of you after this.

D. E. HEDGPETH,
4-26-17 Sayre, Okla.

The trees I received two years ago are fine.

CHAS E. CUNNINGHAM,
Crookville, Ohio.
12-11-16.

The seeds I purchased of you last spring were entirely satisfactory.

FRED ECKERT,
New Britain, Conn.
12-3-16.

I bought seeds from you when I lived in New Mexico and they gave excellent satisfaction.

W. P. EICHENLAUB,
Spencer, Ind.
147 E. Franklin St.
2-14-16.

I have some nice trees which I ordered from you a few years ago.

W. J. GROSECLOSE,
Juliaetta, Idaho.
R. 2, Box 61-13.
2-12-17.

I ordered about \$80 worth of trees of you about 6 years ago that were all right.

GEO. L. LYNN,
Peach, Wash.
Shipping Str.
3-19-17.



Tritoma.



Stokesia. (Page 60.)

PERENNIAL PLANTS.—(Con'd.)**LILIUM. (The Lily.)**

With a well selected collection, Lilliums may be had in bloom from June to October. They should be planted in the fall, from October 1 as long as the soil can be worked, and in spring until the first of May. Plant about 5 inches deep.

AURATUM. (Gold Banded Japan Lily.) Flowers are very large, broad, white petals, thickly studded with crimson maroon, bright golden band through center of each petal. Stalks frequently have from 12 to 15 flowers of immense size. Large bulbs, each 25c; 10 for \$2.20, postpaid.

LONGIFLOREM. A well known variety, with snow-white trumpet shaped flowers that are very fragrant. Quite hardy and blooms freely in the open ground in June and July. Each, 25c; 10 for \$2.25, by paid parcel post.

SPECIOSUM RUBRUM. Flowers white with crimson band on each petal. Large and very fragrant. Perfectly hardy. Grows 2 to 3 feet high. Blooms in August. Large bulbs, each 25c; 10 for \$2.25, by paid parcel post.

DOUBLE TIGER LILY. Perfectly hardy; easily grown lily, with very large double flowers of rich orange color, spotted with black. Exceedingly pretty. Each, 15c; 10 for \$1.25, postpaid.

LILIUM CANDIDUM. (Madonna Lily.) Large, pure white, fragrant flowers. This Lily should be planted in early autumn. Each, 20c; 10 for \$1.70, by paid parcel post.

DAY LILY. (Funkia.)

FUNKIA LANCEFOLIA. Narrow Leaved Day Lily. Hardy plant with lily-like flowers forming dense clumps of foliage. The leaf blades are 4 to 6 inches long. Flowers pale lilac, nodding, borne in long, loose racemes. Height 18 inches. Blooms August. They thrive well in deep soil in a half shady position. Price: Each, 15c; 10 for \$1.25, by paid parcel post.

FUNKIA GRANDIFLORA. A fine, pure white, large trumpet-flowered, and exceedingly fragrant species with handsome, broad, light green foliage. Price: Each 20c; 10 for \$1.70, by paid parcel post.

LEMON LILY. (Hemerocallis Flava.)

These are among the oldest and best loved of garden plants. Very hardy and persistent, they need no winter protection and thrive in any good soil, preferring, however, a rich, moist loam. For garden borders



Longiflorum Lily.

and waterside planting few perennials are more satisfactory. A good clump of this fine old lily, when blooming in June and July, lights up the border superbly with many tall stems of fragrant, waxen, clear yellow blooms. Grows about 2 feet high. Price: 15c each; 10 for \$1.20, postpaid.

GERMAN IRIS. (Iris Germanica.)

The true "Fleur-de-Lis," the national flower of France. They are perfectly hardy, thrive anywhere, grow and bloom luxuriantly, particularly if plentifully supplied with water. Plants well established produce from 50 to 100 spikes of bloom. In beauty the flowers rival the finest orchids. The plant grows 18 to 24 inches high. I offer the following selected varieties:

FLORENTINA ALBA. Extremely free flowering, and very beautiful white, sweet scented blossoms. One of the best.

HONORABILIS. Fine yellow with lower petals of maroon. An odd but very pretty Iris.

FLICATA. Dark purple, lower petals lilac. The best dark colored Iris.

CELESTE. A soft shade of light blue, changing into lavender. A fine and beautiful shade.

MAD. CHEREAU. White, elegantly frilled, with a wide border of clear blue; one of the most charming sorts.

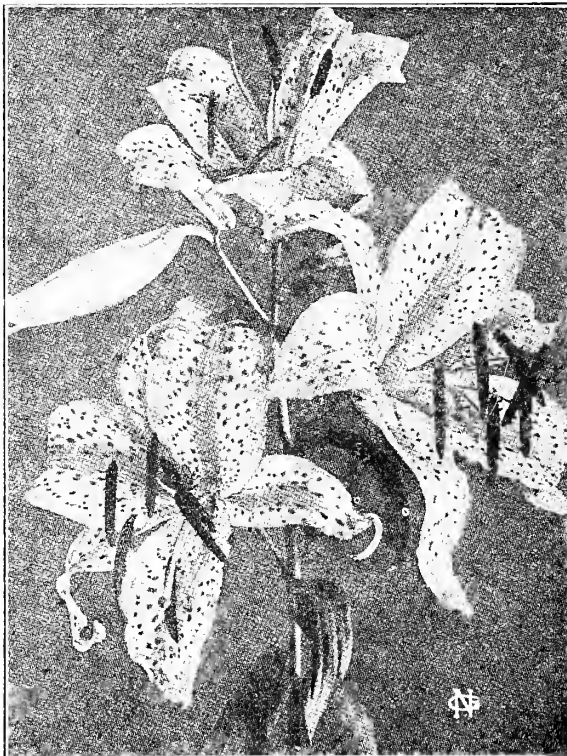
Price of any of the above varieties: 10c each; 10 for 90c; 100 for \$7.00, by paid parcel post.

HER MAJESTY. (New.) The best pink Iris with yellow center. Free bloomer. I think this is one of the prettiest of the Iris. Price: 12c ea.; 10 for \$1.00, by paid parcel post.

NOTE:—Plant several crowns together if a clump effect is desired.

CHOICE MIXED VARIETIES. Each 7c; 10 for 50c; 100 for \$4.00, by paid parcel post.

(Iris continued on Page 63.)



Lilium Speciosum Rubrum.

Tuscola, Ills., R. 5. Mar. 24-17.
The nursery stock I procured of you last spring for myself and neighbors lived through the worst of all droughts, not a man losing a tree, which speaks for the great vigor, vitality and thrift of your trees. Neighbors say they never saw such fine large trees and only two years old.

DR. ARATUS WILLIAMS.

PERENNIAL PLANTS.—(Continued.)

JAPANESE IRIS. (*Iris Kaempferi*.)

Finest of all the Iris family. The flowers are of immense size from 6 to 8 inches in diameter, and of the most beautiful delicate shades. Are perfectly hardy, and will flower in profusion during June and July. A well established plant gives a dozen or more flower stalks 2 to 3 feet high, each stalk producing 2 to 4 enormous blooms. These plants prefer a cool, moist situation, but do well in most any good position. I offer some of the finest varieties in cultivation. I have them in three colors: White, Light Blue and Variegated. Price: 25c each; 3 for 60c, by paid parcel post.

SIBERIAN IRIS. (*Iris Sibirica*.)

Tall and slender growing, with flowers like those of the German Iris in structure, but smaller and much more numerous. The plant forms clumps and blooms so freely that its deep blue blossoms give solid color effects. Hardy, thrives in almost any soil. Each 15c; 10 for \$1.25, postpaid.

PAEONIES.

Few hardy perennials are so suited to any position in the garden or lawn as the Paeony. The gorgeous display of flowers is very effective, rivaling the rose in beauty. They are also well suited for massing in beds all by themselves. A good, rich, deep soil and sunny situation suits them best, but they will thrive in almost any soil. My plants are field grown, strong and well rooted, with 3 to 4 eyes. In comparing prices with other growers, please bear this in mind. I offer the following selected varieties, which I consider the best for general planting.

New Paeonies from Holland.

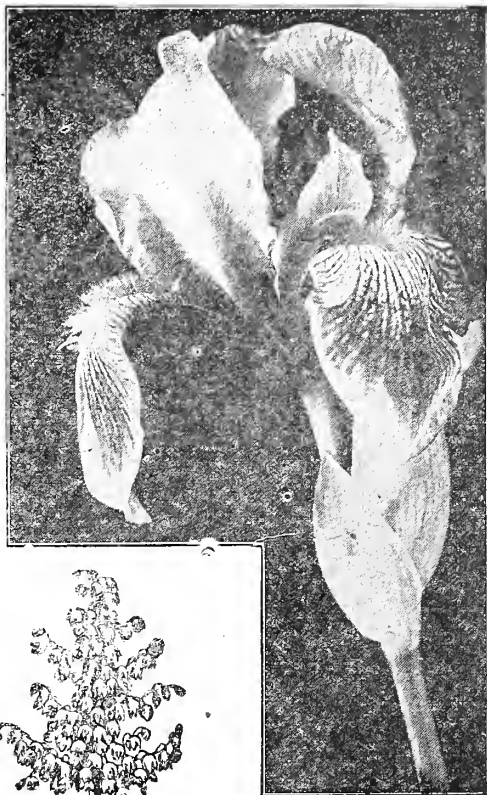
PURPUREA SUPERBA. Dark purple lilac. large flowers. Blooms mid-season. Price: 40c each; 10 for \$3.50 by paid parcel post.

DUKE OF WELLINGTON. Fine large flower, white guards with sulphur center. Of medium height, vigorous grower and very free bloomer; blooms late. Better than Couronne d'Or. Price: 40c each; 10 for \$3.50, by paid parcel post.

RUBRA TRIUMPHANT. Large, loose, globular, semi-double flowers. Very dark crimson, almost going to purple; of medium height. Blooms rather early. Price: 40c each; 10 for \$3.50, by paid parcel post.

ROEM VAN BOOSKOP. Color lilac-rose, a color not often found in Paeonies. Blooms late. Price: 40c each; 10 for \$3.50, by paid parcel post.

One each of the above four Holland varieties for \$1.25 by paid parcel post.



German Iris. (P. 62.)

Two Grand Novelties.

GIGANTEA. A grand novelty, immense double flowers 6 to 7 inches across, on long stems. Color bright pink, tipped with silvery white; indescribably beautiful and deliciously fragrant. Price:

Each \$1.50, by paid parcel post.

LORD KITCHENER. Another new Paeony, introduced last year. Flowers are very double and large, with brilliant cherry red, a remarkably beautiful color. Vigorous, strong grower and blooms very early. First importation from Holland. Price: Each \$1.75 by paid parcel post.

One each of the above two varieties, \$2.90 by paid parcel post.

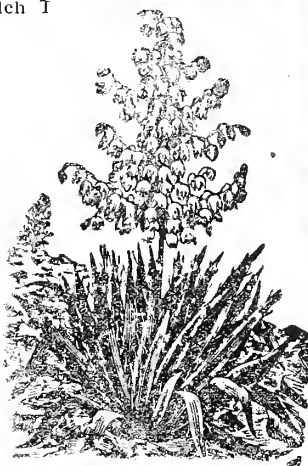
COURONNE D'OR. (Crown of Gold.) Very late. Large imbricated flower, white with yellow shading, center petals flaked carmine. One of the finest white varieties. Price: 30c each; 10 for \$2.50 by paid parcel post.

FESTIVA MAXIMA. About the largest and undoubtedly the most popular Paeony of them all. High built flowers, borne on long, stiff stems; the purest white, the inner petals slightly tipped with carmine. Very handsome foliage, enormous full double flowers, with very broad petals. A vigorous grower and early bloomer. Price: 45c each; 10 for \$4.00 postpaid.

ROSA PLENISSIMA. A bright, clear rose, full centered, double, dwarf and compact grower. Price: Each, 25c; 10 for \$2.30, by paid parcel post.

I got 400 trees from you in the spring of 1913, which are the best in the country. They are already 7 to 10 feet high.

W. C. RUCK,
Rudyard, Mont.



Yucca. (Page 59.)



Paeony, Festiva Maxima.

PERENNIAL PLANTS.—(Continued.)

PAEONIES.—(Continued.)

COUNT DE MANTEUIL. Dark rose, petals tipped with white. Large, fine flowers. Price: 25c each; 3 for 60c, by paid parcel post.

PRINCE IMPERIAL. Brilliant, purplish-scarlet. Fine bloomer. Price: 25c each; 10 for \$2.30 by parcel post.

ROSE FRAGRANCE. Bright dark rose, exceptionally fragrant and very full double. Blooms late. Price: 25c each; 10 for \$2.00, postpaid.

THOMAS MEEHAN. Full double flowers, light rose, edged white; early. Price: 25c each; 10 for \$2.00, by paid parcel post.

EDOUARD ANDRE. Semi-double flowers of dark; carmine-violet, with metallic reflex, and golden yellow stamens. Price: 50c each; 10 for \$4.20, by paid parcel post.

MIXED VARIETIES.

I have some very nice Paeonies of which the labels have been lost, so I cannot tell just what colors or varieties they are. They are all fine sorts, though, and I offer them for 18c each; 10 for \$1.50, by paid parcel post, or \$12.00 per 100, not prepaid.

HARDY PHLOXES.

The ease with which they are cultivated, season of blooming, combined with the varied and beautiful coloring, make them particularly valuable for garden planting. In bloom from June till late autumn. Phloxes are very effective, either as single specimens, in small groups, or large beds on the lawn. They produce a beautiful and harmonious contrast when massed against a background of shrubbery. I offer a carefully selected collection, all field-grown plants.

FRAULEIN VON LASSBURG. The purest snow white. Flowers larger than any other white sort. Blooms early. Tall, extra fine. Each, 25c; 10 for \$2.00, by paid parcel post.

SIR EDWIN LANDSEER. Bright glowing crimson. The best red. Of robust, tall growth, and a free bloomer. Each, 20c; 10 for \$1.75, by paid parcel post.

LA VAGUE. Mauve, with aniline red eye. A very distinct variety. Each 20c; 10 for \$1.80, by paid parcel post.

RICHARD WALLACE. Pure white with maroon center. A tall grower and a variety not usually seen. Each, 20c; 10 for \$1.75, by paid parcel post.

LUMINEAUX. Carmine red, with blush center. Each, 20c; 10 for \$1.75, by paid parcel post.

MADAME BYZANSON. The very best of the crimson varieties. Holds the color a long time. Price: Each 20c; 10 for \$1.75, by paid parcel post.

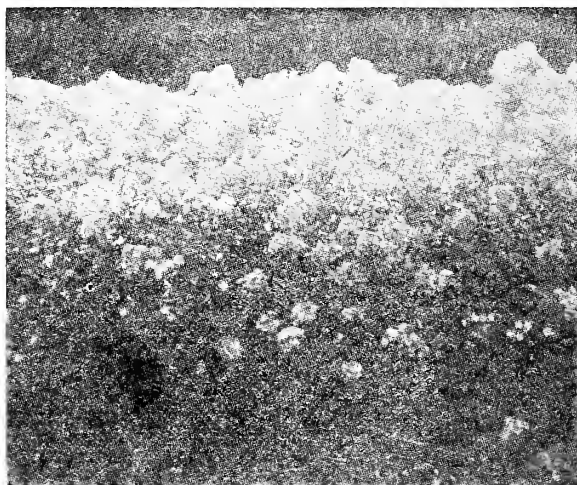
ATHIS. Tall, bright salmon-pink, with violet eye. Very suitable for a low hedge. Price: 25c each; 10 for \$2.20; 50 for \$9.00.

BRIDESMAID. White, with crimson eye. Very fine trusses. One of the best. Price: 25c each; 10 for \$2.20.

PHLOX SUBLATA. Creeping plants with evergreen, moss-like foliage. When in bloom almost completely hidden under a blanket of rose-colored flowers in early spring (there in May), often blooming again through the summer. Height of plant about 6 inches. Price: 15c each; 10 for \$1.20, by paid parcel post.



Sir Edwin Landseer Phlox.



Hedge or border of Perennial Phlox, planted 10 in. apart.



Walk in my garden. The tree to the right is a Moss Acacia, raised in tree form. To the left are different kinds of flowering shrubs, with a border of Perennial Phlox. I print these pictures, as it may help my customers in laying out their grounds.

SUMMER BLOOMING BULBS.

Bulbs for spring planting require scarcely any care and quickly make a gorgeous display. The bulbs can be kept over winter, and year after year will return a hundred fold in beauty and satisfaction at the trifling expense of the original cost. All varieties here offered I have thoroughly tried in my garden and can recommend them. In the fall the bulbs should be dug after one or two good frosts and stored in a dry, frost-proof room or cellar.

DAHLIAS.

These showy and pretty flowers are becoming very popular, and justly so. The Dahlia is one of the showiest of all fall flowers, commencing to bloom in July and continuing until frost.

CACTUS DAHLIAS.

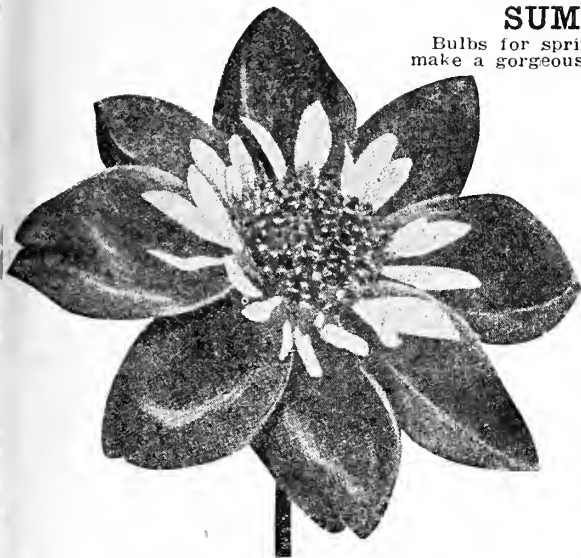
Undoubtedly the finest of all Dahlias. The large flowers are of beautiful cactus form with twisted petals, giving great depth to the flowers.

GENERAL BULLER. Rich, deep crimson, tipped white, very attractive. Price: 20c each; 3 for 50c, parcels post.

GENISTA. Deep amber, shaded gold, one of the very best. Price: 25c ea.; 3 for 60c postpaid.

MARS. Deep orange scarlet, very free blooming. Price: 25c each; 3 for 60c by parcels post.

KRIEMHILDE. Finest of Dahlias. Flowers extra large, outer edge brilliant pink, shading to white. Price: Each 25c; 3 for 65c by parcels post.



Collarette Dahlia. Maurice Rivorior.

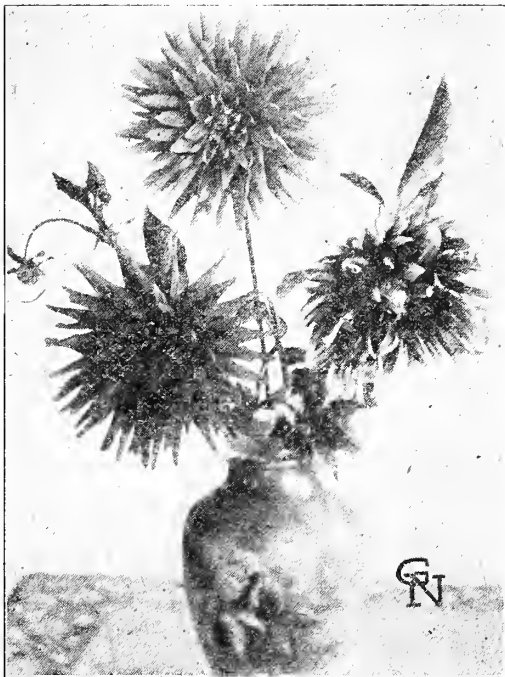
DAINTY. A very appropriate name for this exquisite variety. The plants are of strong, robust, upright habit, producing their flowers upon exceptionally long, stiff stems, well above the foliage. The flower itself is most effective and graceful, and crowns the long stems in a pleasing and most satisfactory manner. The blending of colors is superb, lemon-yellow at center, daintily tipped sweetest rose-pink. The shape of the flower is all that can be desired, petals being very long and beautifully quilled, completing a perfect star-shaped flower. 35c each; 3 for 90c.

PEARL DE LYON. A pure white exhibition variety of great value. The petals are fringed or nitched. Blooms better in my garden than any other kind. 30c each; 3 for 75c.

DREADNAUGHT. Color is a glowing crimson, deepening to maroon in the center. Very free blooming. Price: 30c each; 3 for 75c.

SHOW AND DECORATIVE DAHLIAS.

QUEEN VICTORIA. Canary yellow, large flowers; very fine. Price: 20c each; 3 for 45c by parcels post.



Cactus Dahlia.

JACK ROSE. Deep crimson, very free blooming. Price: 25c each; 3 for 60c by parcels post.

SYLVIA. White, heavily edged pink, very free blooming. Price: 15c each; 3 for 35c, by parcels post.

NORMA. Bright, clear orange, one of the best extra free bloomers. Price: 20c ea.; 3 for 50c, parcels post.

CATHERINE DUER. Large double flowers of fiery red. Price: Each 25c; 3 for 60c, by paid parcels post.

ROBERT BLOOMFIELD. Pure white, large flowers, very free bloomer. Price: 20c ea.; 3 for 50c, postpaid.

CUBAN GIANT. Of the colossal varieties. Flower very large, dark velvety crimson on long and wiry stems. Plants grow tall. Price: 25c each; 3 for 60c.

SOUVENIR DE G. DOAZON. This variety is a good comparison to the "Sunnower." It is the largest Dahlia in existence. The color is a pleasing shade of orange red. The flowers are full to the center and often measure 9 inches and over in diameter, and they can be forced to measure over 12 inches. The plant is a very tall, vigorous grower, with heavy, dark, glossy green foliage, and a remarkable constitution. Should be in every garden. The largest, most showy Dahlia in my garden. Price: 40c each; 3 for \$1.00.

COLLARETTE DAHLIAS.

MAURICE RIVORIOR. Gorgeous rich crimson with pure white collar. Price: 25c each; 3 for 65c, postpaid.



Norma. Decorative Dahlia.

SUMMER BLOOMING BULBS.—(Cont'd.)

CANNAS.

The grandest of all bedding plants. Of quick growth and tropical appearance. Throughout the summer they present a mass of gorgeous colors until withered by frost in the fall. I give the heights of the plants right after the name. Cannas need a good deal of water and a liberal dose of liquid manure should be applied from time to time. Never let the bed get weedy or baked hard.

HOW TO PLANT CANNAS.

I sell dormant roots. These can be started in 4-inch pots in the house in March and then transplanted in the bed in May, after danger of any frost is over. The roots can also be set in the bed in May, after the ground gets warm. Do not set them too deep; the eye should show a little through the ground when done. Plant in good, rich garden soil, mixed with one-half of old rotted stable manure. Set them about 18 inches apart each way. Water sparingly the first two weeks after planting. After plants begin to grow good, water liberally.

FLAMBEAU. 6 feet. Very vigorous, a strong grower, and exceptionally free bloomer. Flowers are very large, often 6 inches in diameter; are of a peculiar salmon red or reddish yellow color, with a gold colored narrow border around the outside of the petals. A bed of about 40 plants in my garden was admired by everybody who saw it. One of the very best Cannas I have seen. I can recommend it to all my customers. I am sure this Canna will please you. **Price:** 25c each; 10 for \$2.00 by parcels post.

BURBANK. About 3 feet. This and the Austria are very much alike. Both are really half way between orchid and truss Cannas. The color is a pure, strong canary yellow with some red spots in throat, a beautiful color. The flower is often 4 to 5 inches across and they are profuse bloomers. **Price:** Each 15c; 10 for \$1.20 by parcels post.

LOUISIANA. PENNSYLVANIA. 5-6 feet. Flower a deep, vivid crimson, the darkest and bluest of this class and apt to be the largest, usually 6 and often 7 inches across. These two Cannas are substantially alike, there often being more difference in flowers on one stalk than between different plants. **Price:** Each 15c; 10 for \$1.20 by parcels post.

KING HUMBERT. 5 feet. Orchid flowering. Its flowers measure 6 inches in diameter, produced in gigantic trusses, a brilliant orange scarlet with bright red markings; foliage broad and massive, of a rich coppery bronze. **Price:** Each 18c; 10 for \$1.50 by parcels post.

UNCLE SAM. 4-5 feet. Strong grower, leaves are large. Flowers come in immense clusters; are

of a very bright scarlet color, and do not turn purple, like some red Cannas. If you want a very glowing red, plant the Uncle Sam. **Price:** 20c each; 1 for \$1.80 by parcels post.

MONT BLANC, IMPROVED. 3 feet. In this, the flower is larger, truss larger and color nearer a true white than the old Mont Blanc, though still with touch of cream in shade. **Price:** 20c each; 10 for \$1.70 by parcels post.

KATE F. DEEMER. 4 feet. A Lily-Canna. The grand flowers open a rich oriole yellow, which gradually gives place to turkey red in the center and throat of the flower, the rest of the blossom turning almost white. Buds are rich yellow on reddish brown stems. **Price:** 25c each; 3 for 65c; 10 for \$2.00 by parcel post.

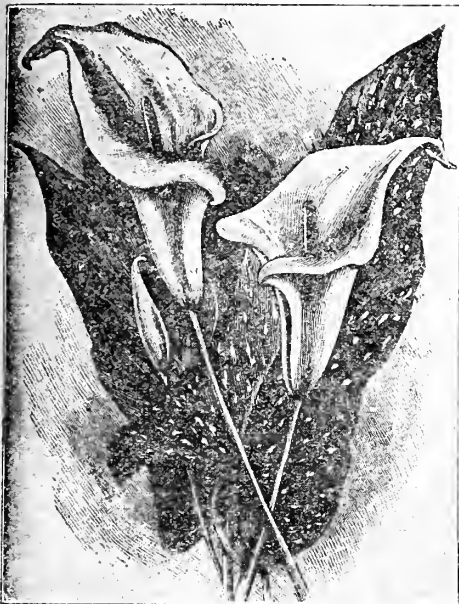
WINTZER'S COLOSSAL. New. 5 feet. The largest Canna in commerce today. Bloom simply gigantic. Color, vivid scarlet. Flowers over 8 inches across. It is an improvement over all others in the orchid flowering class. With its superior substance it seems to revel in the hot sunshine with impunity and promises to give satisfaction in the most tropical sections. For size, color and endurance, Wintzer's Colossal is far ahead of its nearest rival. **Price:** 40c each; 10 for \$3.50 by parcel post.

JUANITA. 4½ feet. Bronzy orange color, with magnificent golden bronze foliage. An exceptionally attractive flower of the Lily-Canna varieties. **Price:** 35c each; 3 for 95c; 10 for \$2.80, by parcel post.

(Cannas continued on next page.)



A bed of Flambeau Cannas in my garden, with a row of Pennisetum Rueppelianum Ornamental Grass (page 114 in catalog) on the outside. This bed is 12 feet in diameter and took 50 Cannas and 30 Pennisetum. To the left is a Colorado Blue Spruce 12 feet high. The girl on the picture is our baby (the youngest of our 10 children).

SUMMER BLOOMING BULBS.—(Cont'd.)**CANNAS.—(Continued.)**

Calla, Spotted Leaf.

CALADIUM.

ELEPHANT'S EAR. A splendid tropical appearing plant, usually growing 4 to 5 feet high. Very showy leaves, often growing 3 feet long. Of easy culture. They are used to a great extent for large beds, together with Cannas; also as single specimens or as groups on the lawn. For obtaining tropical effects in lawn and garden this beautiful plant takes a prominent place. Will grow in any good garden soil, but to get the best results they should have plenty of water and good rich soil. When at its best stands 6 to 7 feet high, with bright green leaves 3 to 4 feet long and 2½ feet wide.

EXTRA LARGE SIZE BULBS. Each 20c; 3 for 50c; 22c each, by paid parcel post.

LARGE SIZE BULBS. Each, 15c; 3 for 35c; 10 for 75c. 17c each by paid parcel post.

CALLAS.

SPOTTED LEAF CALLA. Elliotiana. Leaves dark green with creamy white spots; flowers are a rich, lustrous golden yellow. The largest of the yellow blooming Callas, almost as large as the white. With a little covering I keep them over winter in my garden. Also a good house plant for winter blooming. **Price:** For large bulbs, 30c each; 3 for 80c, postpaid.

WHITE CALLA. I can furnish White Callas in the fall only. Send for Fall Catalogue, ready in September.



Caladium.

WABASH. 4 feet. A fine novelty. The bronze leaved Rosa Gigantea. Flowers are carmine-pink and very large. I find this an exceedingly fine bloomer and of an unusual color. **Price:** 25c each; 10 for \$2.20 by parcel post.

OLYMPIC. 5 feet. Rich oriental red, with center shaded lighter red and dappled carmine. Large individual blossoms, that make heads which are simply immense. I tried this Canna for the first time last summer and used it considerable in making large bouquets. It was one of the best in my collection. **Price:** 50c each; 3 for \$1.25 by parcel post.

JANE ADAMS. 4½ feet. A choice variety of the Lily-Cannas. True bright, buttercup yellow; the best of the bright yellow Cannas I know. **Price:** 30c each; 10 for \$2.50

HOW TO ARRANGE CANNAS IN A CIRCULAR BED.

Take one to three (I always use 3) of the tallest growing varieties for the center; then 6 of a smaller variety in the first circle, 12 still smaller in the second circle, and 18 of a dwarf variety in the outer row; or you can use for the outside row 18 Pennisetum Ruppelianum, as you can see on page 66. Above all make a 10-foot bed.

Price of Pennisetum Ruppelianum plants: 18c each, 10 for \$1.50.

NO. 1 COLLECTION FOR A CANNA BED. 7 feet in diameter. Middle, 3 Louisiana; next row, 6 King Humbert; next row, 12 Burbank. For \$2.50 postpaid. Same bed, but with a row of Pennisetum Ruppelianum, 18 plants, \$4.75 postpaid. This would make a 9-foot bed.

COLLECTION NO. 2. Exactly the same as on picture, page 66. 21 Flambeau and 18 Pennisetum Ruppelianum, making a 9-foot bed (not 12 feet) for \$5.50, or 21 Flambeau without the Pennisetum, making a 7-foot bed, for \$3.15.



Gladiolus

GLADIOLUS.

The Gladiolus is the most attractive of all summer flowering bulbs and deserves a place in every garden, as it is sure to do well with little care. For best results they should have a sunny position and light, sandy soil. Flowers are of almost every desirable color. By cutting the spikes when two or three of the flowers are open and placing them in water, the entire spike will open beautifully. Plant bulbs in April or May for early, and late June for fall blooming.

KUNDERDI "GLO-BY." With "Ruffled Petals." Broadly expanded, wide open flowers, paired by twos, all face in the same direction and are carried on straight, stout stalks, fully 3½ feet in height. From 3 to 8 of these handsome flowers are open at one time. Each petal is exquisitely ruffled and fluted. The color is a delicate cream pink, with a most attractive crimson stripe in the center of each lower petal, the shade of which is unique in Gladioli. The ruffling of the petals in this new strain has attracted much attention the world over. **Price:** 20c each; 10 for \$1.85 by paid parcel post.

SUMMER BLOOMING BULBS.—(Cont'd.)

GLADIOLUS.—(Continued.)

PRINCEPS. The \$1,000 Gladioli. Its wonderful size of flower, perfect shape, brilliant coloring, and artistic form of flower spike are each so notably an improvement over all other varieties that all place it in the front rank. Flowers are 5 to 7 inches broad, petals wide and rounded, forming an almost circular flower. The color is brilliant crimson, carrying mostly three broad, white blotches on the lower petals. Spikes 4 feet in height, produce 12 to 15 flowers. **Price:** 20c each; 10 for \$1.85, by paid parcel post.

AUGUSTA. A lovely and useful variety, pure white with blue anthers. **Price:** Each, 8c; 10 for 60c, by paid parcel post.

AMERICA. Conceded to be one of the finest varieties for cutting or bedding ever sent out; color a beautiful soft, flesh pink; orchid-like in its coloring and texture; growth and habit perfect. **Price:** Each, 15c; 10 for \$1.20, by paid parcel post.

KLONDIKE. Light yellow, with crimson blotch. A very desirable variety for cut flowers. **Price:** Each 15c; 10 for \$1.20, by paid parcel post.

MRS. FRANCIS KING. A striking shade of light scarlet or flame color; one of the most effective both in the border and when cut. **Price:** Each 8c; 10 for 70c.

GLADIOLI CHILDSII, MIXED, FIRST SIZE. These outrank most other Gladioli in size of spike, size of flower, vigor, varied and magnificent coloring and freedom of bloom. Every color among Gladioli is represented and the form of both flowers and spikes is considered perfect. In the colors a number of blues, smoky grays and purple-blacks appear, varied with pink, crimson, yellow, etc. 3 for 10c; 30c per doz.; \$2.40 per 100, postpaid.



Zephyranthes.

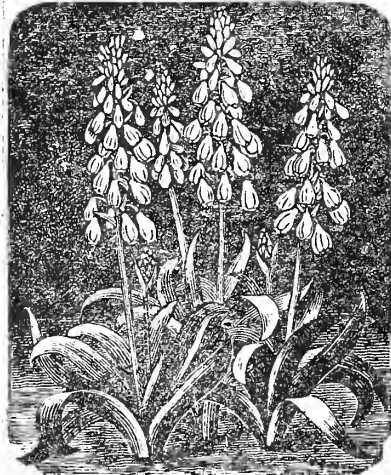
TIGRIDIA.

These gorgeous flowers look well associated with Gladioli, Lilies and kindred stock; grow about 1½ ft. high, and flower freely throughout the summer. Flowers come in shades of red, yellow, white, and are spotted. They require the same treatment as Gladioli. **Splendid Mixture**, each 6c; doz. 60c.

ZEPHYRANTHES.

FAIRY LILY OR ZEPHYR FLOWER.

One of the prettiest and most easily grown bulbs; very effective for masses or borders, flowering profusely all summer. Also suitable for pot culture. Put six bulbs in a 6-inch pot in the fall and you can have a fine display during the winter. The plants grow about 8 inches in height. One of the good things in bulbous flowers that is so often overlooked, but deserves to be planted in every garden. Once planted it will always be planted again the next season. Each 5c; 10 for 45c, by paid parcel post.



Summer Hyacinth.



Montbretia.

TUBEROSES.

EXCELSIOR PEARL. This variety is characterized by its short, robust stem and long spikes of flowers, perfectly double and twice the size of the common Tuberose. Spikes frequently bear 30 to 50 flowers. They are always wax-like and pure white. Large bulbs, each 5c; per dozen, 40c; 100 for \$3.00, by paid parcel post.

MONTBRETIA.

One of the brightest and best summer flowering bulbs. Plant in clumps of 6 to 12 in May or June. In larger beds they will also make a splendid showing. They greatly resemble the Gladioli in growth and produce beautiful spikes of star-shaped flowers in various shades of orange, yellow and red. Hardy with slight covering over winter, and they will improve in size of flowers when left in the open ground undisturbed year after year. Mixed varieties, 3 for 10c; per dozen, 30c; 100 for \$2.25, by paid parcel post.

SUMMER HYACINTH.

The flower stems grow 3 to 4 feet high and are loaded with very pretty, drooping, bell-shaped flowers of ivory white. The plant will grow well in dry soils. A splendid bulb to plant in the perennial border, as it is hardy and need not be taken up in the fall. Plant in rear of bed on account of its tall growth. Each, 6c; doz. 60c by paid parcel post.



Tuberose.

WINTER BLOOMING BULBS.

For fall planting, either for house culture or early spring blooming in the garden, I offer a large assortment of choice **Holland Bulbs**, my own importations, such as **Hyacinth**, **Tulips**, **Narcissus**, **Crocus**, **Snowdrops**, **Scillas**, **Jonquils**, etc. Also have a choice stock of **Roman Hyacinths**, **Freesias**, **Japanese Lilies**, **Star of Bethlehem**, **Chinese Sacred Lilies**, etc. Write for Illustrated Price List, ready September 1st.



Parcel Post **TREES AND PLANTS BY MAIL** Parcel Post**TREES OF SIZES LARGER THAN QUOTED BELOW CANNOT BE SENT BY MAIL.**

I can now send trees and plants of suitable sizes by **Parcel Post**, and they will be delivered right at your door. No need of going to town after them, and I know they will not cost you more than half as much as if you buy of an agent. **I pay postage on all mail packages, when prices are figured as quoted below.** The prices here below are for goods delivered at your door.

Trees will be well rooted, sound and healthy, and of 2 to 3 or 3 to 4 feet sizes, so you will know exactly what you will get. Larger trees cannot go by parcel post, as the circumference and length of a package cannot exceed seven feet. Always use prices given below if you wish trees by parcel post.

APPLE TREES.

All varieties given in this catalog except Golden Winesap, Delicious and Switzerland.

	Per 1	Per 10	Per 100
2-3 feet	\$0.13	\$1.20	\$10.00
3-4 feet	.25	2.00	15.50
Golden Winesap:			
2-3 feet	.45	4.10	-----
3-4 feet	.58	5.60	-----
Switzerland:			
2-3 feet	.30	2.70	-----
3-4 feet	.35	3.20	-----
Delicious:			
2-3 feet	.17	1.60	12.00
3-4 feet	.25	2.30	17.00

Crab Apple—All varieties same as Apple.

Dwarf Apple—All varieties, except Golden Winesap, Delicious and Switzerland:

	Per 1	Per 10	Per 100
2-3 feet	.30	2.80	-----
3-4 feet	.40	3.90	-----
Golden Winesap:			
2-3 feet	.55	5.00	-----
2-4 feet	.65	6.20	-----
Delicious:			
2-3 feet	.17	1.50	-----
3-4 feet	.25	2.30	-----
Switzerland:			
2-3 feet	.30	2.70	-----
3-4 feet	.36	3.30	-----

PEAR, STANDARD.

All varieties, except Rossney:

	Per 1	Per 10	Per 100
2-3 feet	\$0.26	\$2.30	\$18.00
3-4 feet	.33	3.00	22.00
Rossney:			
3-4 feet	.42	4.00	-----
Dwarf Pear, all varieties:			
2-3 feet	.26	2.30	-----
3-4 feet	.32	3.00	-----

CHERRY.

All varieties, except Sonderegger's Sweet:

	Per 1	Per 10
2-3 feet	\$0.25	\$2.40
3-4 feet	.37	3.40
Sonderegger's Sweet:		
2-3 feet	.42	3.60
3-4 feet	.50	4.60

COMPASS CHERRY-PLUM.

2-3 feet	25c each	10 for \$2.30
3-4 feet	35c each	10 for \$3.10

ROCKY MOUNTAIN CHERRY.

2-3 feet	25c each	10 for \$2.30
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PLUMS—All Varieties Except Sapa.

2-3 feet	25c each	10 for \$2.30
3-4 feet	34c each	10 for \$3.00

SAPA PLUM.

2-3 feet	24c each	10 for \$2.20
3-4 feet	32c each	10 for \$3.00

IMPROVED GOLD PLUM.

3-4 feet	40c each	10 for \$3.70
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HANSEN VARIETIES OF PLUMS.

2-3 feet	35c each	10 for \$3.25
3-4 feet	43c each	10 for \$3.90

APRICOTS—All Varieties.

2-3 feet	28c each	10 for \$2.60
3-4 feet	35c each	10 for \$3.30
Apricot Seedlings:		
1½-2 feet	10c each	10 for 80c
2-3 feet	14c each	10 for \$1.10
3-4 feet	20c each	10 for \$1.60

PEACH.

All Varieties except Sage and J. H. Hale.

	Per 1	Per 10	Per 100
2-3 feet	\$0.13	\$1.20	\$ 9.50
3-4 feet	.22	2.00	14.50
J. H. Hale:			
2-3 feet	.24	2.30	18.50
3-4 feet	.32	2.80	22.50
Sage:			
2-3 feet	.24	2.20	18.50
3-4 feet	.32	2.90	22.50
Peach Seedlings:			
2-3 feet	.10	.90	-----

PAW PAW.

2-3 feet	45c each	10 for \$4.00
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QUINCE—All Varieties.

2-3 feet	40c each	10 for \$3.60
3-4 feet	47c each	10 for \$4.20

NECTARINES—All Varieties.

3-5 feet	47c each	10 for \$4.20
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PERSIMMON.

18-24 inch	11c each	10 for \$1.00	100 for \$6.70
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FIGS.

3-4 feet	60c each	10 for \$5.30
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RUSSIAN MULBERRY.

	Per 100	Per 1000
4-8 inch	\$0.37	\$2.50
8-12 inch	.45	3.60
12-18 inch	.65	5.00
18-24 inch	\$0.02 each	10 for \$0.20
2-3 feet	.05 each	10 for .30
		100 for 2.60

AMERICAN MULBERRY—All Varieties.

4-5 feet	45c each	10 for \$3.80
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NUT TREES.

	Each	Per 10
American Sweet Chestnuts, 12-18 in.	\$0.09	\$0.70
Japanese Walnuts 12-18 in.	.19	1.80
English Walnuts 2-year seedlings	.15	1.40
Franquette Walnuts 12-18 in.	.22	1.90

	Each	Per 10	Per 100
Butternuts 12-18 in.	\$0.08	\$0.70	\$4.40
Black Walnuts 8-12 in.	.03	.25	2.00
Black Walnuts 12-18 in.	.04	.35	2.20
Almonds, 3-4 feet	60c each	10 for \$5.00	-----

	Each	Per 10	Per 100
Pecan, Seedlings 18-24 in.	\$0.28	\$2.50	\$19.50
Pecan, Stuart, grafted 18-24 in.	1.15	9.40	-----
Filbert, Early Frau-ensdorf 18-24 in.	.45	3.70	-----
Common Hazelnuts 18-24 in.	.13	1.10	-----

DWARF BLUEBERRY.

Nice plants	20c each	10 for \$1.60	100 for \$13.50
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JUNE BERRY.

Strong plants	30c each	10 for \$2.40
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ELDER BERRY.

2 to 3 feet high	23c each	10 for \$1.90
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BUFFALO BERRY.

2-3 feet	30c each	10 for \$2.70
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GRAPE VINES.

	Each	Per 10
Beta, Black	2-yr. No. 1	\$0.47 \$4.60
Caco, Wine Red	2-yr. No. 1	.50 4.50
Dakota, Black	2-yr. No. 1	.50 4.50
Concord, Black	1-yr. No. 2	.08 .55
Concord, Black	1-yr. No. 1	.09 .75
Concord, Black	2-yr. No. 1	.12 1.00
Delaware, Red	2-yr. No. 1	.17 1.45
Agawam, Red	2-yr. No. 1	.12 1.00
Brighton, Red	2-yr. No. 1	.17 1.40
Catawba, Red	2-yr. No. 1	.12 1.10
Clinton, Black	2-yr. No. 1	.12 1.10
Elvira, White	2-yr. No. 1	.12 1.10
Ives, Black	2-yr. No. 1	.12 1.10
Moore's Early, Black	2-yr. No. 1	.16 1.40
Moore's Diamond, White	2-yr. No. 1	.14 1.20
Niagara, White	2-yr. No. 1	.12 1.10
Salem, Red	2-yr. No. 1	.12 1.10
Pocklington, Golden Yellow	2-yr. No. 1	.14 1.20
Empire State, White	2-yr. No. 1	.17 1.60
Worden, Black	2-yr. No. 1	.14 1.20
Campbell's Early, Black	2-yr. No. 1	.22 2.10
Green Mountain, White	2-yr. No. 1	.42 3.70
Lucile, Red	2-yr. No. 1	.32 2.80
Woodruff, Red	2-yr. No. 1	.29 2.80
Thompson Seedless, Greenish Yellow	2-yr. No. 1	.27 2.40
Black Hamburg, Black	2-yr. No. 1	.27 2.40
Malaga	2-yr. No. 1	.27 2.40

PARCEL POST—TREES AND PLANTS BY MAIL—PARCEL POST.

TREES OF SIZES LARGER THAN QUOTED BELOW CANNOT BE SENT BY MAIL.

GOOSEBERRY.

	Each	Per 10	Per 100
Downing	2-yr. No. 1	\$0.20	\$1.65
Pearl	2-yr. No. 1	.21	1.85
Red Jacket	2-yr. No. 1	.23	2.05
Houghton	2-yr. No. 1	.15	1.25
Oregon Champion	2-yr. No. 1	.28	2.40

CURRANTS.

	Each	Per 10	Per 100
Fay's Prolific, Red	2-yr. No. 1	\$0.15	\$1.20
Wildet, Red	2-yr. No. 1	.12	1.05
Red Dutch, Red	2-yr. No. 1	.12	1.05
White Grape, White	2-yr. No. 1	.12	1.05
Cherry, Red	2-yr. No. 1	.12	1.05
Black Champion, Blk.	2-yr. No. 1	.12	1.05
Perfection, Red	2-yr. No. 1	.25	2.20

BLACKBERRY.

	Each	Per 10	Per 100
Early Harvest		\$0.07	\$0.55
Messereau .....		.09	.60
Eldorado .....		.07	.60
Sonderegger's Earliest ..		.17	1.50
LaGrange .....		.17	1.50
Snyder .....		.07	.55
Ohmer .....		.08	.65
Erie .....		.07	.60

DEWBERRY.

Lucretia	8c each	10 for 60c	100 for \$3.60
Austin	10c each	10 for 80c	100 for 5.60

HIMALAYA BERRY.

16c each	10 for \$1.45	100 for \$10.60
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LOGAN BERRY.

24c each	10 for \$2.00	100 for \$16.70
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JAPANESE WINE BERRY.

19c each	10 for \$1.55	100 for \$12.40
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RASPBERRY.

	Each	Per 10	Per 100
Cardinal, Red	\$0.09	\$0.75	\$4.50
Miller, Red08	.55	3.00
St. Regis, Red12	.85	6.00
Carolina Golden, Yellow ..	.17	1.35	10.60
Sunbeam, Red .....	.12	.95	7.50
Cumberland, Black .....	.10	.65	4.20
Earhart's Everbearing, Black	.12	1.10	8.00
Herbert, Red .....	.14	1.25	9.50
Columbian, Red .....	.09	.75	5.00
Gregg, Black .....	.10	.65	4.20
Kansas Black, Black .....	.10	.65	4.20
Cuthbert, Red .....	.07	.45	3.00

STRAWBERRIES.

All varieties, except Everbearing, 25 plants for 25c; 100 for 80c; 1000 for \$6.00.

Americus, Superb and Progressive: 5c each; 100 for 30c; 1000 for \$2.00; 1000 for \$18.00.

RHUBARB.

Both varieties13c each 10 for \$1.10 100 for \$8.00

ASPARAGUS.

Per 10 Per 100 Per 1000
Both varieties, 2-yr. plants.....\$0.20 \$1.20 \$ 9.00

HORSE RADISH.

Per 10 Per 100 Per 1000
Good, strong roots.....\$0.20 \$1.60 \$12.00

ORNAMENTAL AND SHADE TREES.

These are too large to go by parcel post.

FOREST TREE SEEDLINGS.

	Each	Per 10	Per 100	Per 1000
Ash, White	8-12 inch, 1 year seedlings		\$ 0.45	\$ 4.00
" "	12-18 inch, 1 year seedlings		.60	5.00
" "	18-24 inch, 1 year seedlings		1.10	8.00
" European, Mountain	18-24 inch, 2 year seedlings	.08	.65	5.50
Beech, European	12-18 inch, 2 year seedlings	.05	.40	3.75
" Bloodleaf	12-18 inch, 2 year seedlings	.15	1.45	11.50
Black Locust	4-8 inch, 1 year seedlings		.30	2.00
" "	8-12 inch, 1 year seedlings		.35	3.00
" "	12-18 inch, 1 year seedlings		.60	5.00
" "	18-24 inch, 1 year seedlings		1.20	8.00
Honey Locust	4-8 inch, 1 year seedlings		.35	2.50
" "	8-12 inch, 1 year seedlings		.65	3.75
" "	12-18 inch, 1 year seedlings		.70	5.50
Birch, European	18-24 inch, 2 year seedlings	.05	.45	3.75
Box Elder	4-8 inch, 1 year seedlings		.35	2.50
" "	8-12 inch, 1 year seedlings		.50	3.60
" "	12-18 inch, 1 year seedlings		.65	4.65
Catalpa Speciosa	4-8 inch, 1 year seedlings		.35	2.60
" "	8-12 inch, 1 year seedlings		.40	3.00
" "	12-18 inch, 1 year seedlings		.75	5.20
" "	18-24 inch, 1 year seedlings	.15	1.25	8.65
Cherry, Wild Black	8-12 inch, 1 year seedlings	.15	.65	5.50
" " "	12-18 inch, 1 year seedlings	.20	1.00	8.50
" " "	18-24 inch, 2 year seedlings	.25	1.60	12.50
Cottonwood	8-12 inch, 1 year seedlings		.35	2.60
" "	12-18 inch, 1 year seedlings		.45	3.50
Elm, White	4-8 inch, 1 year seedlings		.35	2.50
" "	8-12 inch, 1 year seedlings		.45	3.10
" "	12-18 inch, 1 year seedlings		.65	5.00
" "	18-24 inch, 1 year seedlings	.25	1.10	8.00
Hackberry	8-12 inch, 1 year seedlings	.25	.75	5.75
" "	12-18 inch, 1 year seedlings	.35	1.20	9.50
Horse Chestnut, European ..	18-24 inch, 2 year seedlings	.08	.70	5.30
Linden, European	18-24 inch, 2 year seedlings	.08	.70	5.30
" American	18-24 inch, 1 year seedlings	.06	.60	3.75
Maple, Hard or Sugar	12-18 inch, 2 year seedlings	.05	.40	2.70
" Norway	18-24 inch, 2 year seedlings	.09	.70	5.50
" Soft or Silver	8-12 inch, 1 year seedlings		.40	3.30
" " "	12-18 inch, 1 year seedlings		.55	4.70
" " "	18-24 inch, 1 year seedlings		1.00	8.00
Mulberry, Russian	4-8 inch, 1 year seedlings		.35	2.50
" "	8-12 inch, 1 year seedlings		.45	3.30
" "	12-18 inch, 1 year seedlings		.65	5.00
" "	18-24 inch, 1 year seedlings	.02	.15	.85
Osage Orange (Bois D'Arc) ..	4-8 inch, 1 year seedlings		.30	2.25
" " "	8-12 inch, 1 year seedlings		.45	3.50
" " "	12-18 inch, 1 year seedlings		.60	4.60
Russian Olive	6-12 inch, 1 year seedlings	.06	.50	3.00
" "	12-18 inch, 1 year seedlings	.08	.70	5.30
Oak, Pin	6-12 inch, 2 year seedlings	.06	.45	3.30
" White	18-24 inch, 2 year seedlings	.07	.50	4.00
" Red	18-24 inch, 2 year seedlings	.07	.50	5.00
Sycamore, American	12-18 inch, 1 year seedlings	.05	.30	2.20
" European	18-24 inch, 2 year seedlings	.10	.80	6.80
Golden Willow	2-3 feet, 1 year seedlings	.09	.80	5.50
Walnut, Black	8-12 inch, 1 year seedlings	.02	.20	1.30
" "	12-18 inch, 1 year seedlings	.03	.30	1.90

PARCEL POST—TREES AND PLANTS BY MAIL—PARCEL POST. **TREES OF SIZES LARGER THAN QUOTED BELOW CANNOT BE SENT BY MAIL.**

FRUIT TREES AND ROSE SEEDLINGS.

	Each	Per 10	Per 100
Apple, from French Crab Seed, 1 year No. 1 seedlings	\$0.05	\$0.35	\$ 2.30
Apple, Doucine, (for Dwarf Apple), No. 1.....	.07	.45	3.20
Apple, Paradise (for Dwarf Apple), No. 1.....	.07	.45	3.80
Pear, Japanese, No. 1 seedlings.....	.07	.45	3.80
Cherry, Mahaleb, No. 1.....	.07	.45	3.30
Plum, Myrabolan, No. 1.....	.07	.50	4.00
Quince (for Dwarf Pear), rooted layers, No. 1.....	.07	.45	3.40
Rose Manetti, No. 1 seedlings.....	.07	.55	4.40
Rose Canina, No. 1 Seedlings.....	.07	.55	4.40
Peach, 18-24 inch seedlings.....	.08	.65	4.40
Peach, 2-3 feet seedlings.....	.09	.85	.....

CUTTINGS.

	Per 10	Per 100	Per 1000
Golden Willow	\$0.10	\$0.45	\$ 3.25
Carolina Poplar .....	.10	.45	3.25
Norway Poplar .....	.10	.45	3.25
Silver Poplar .....	.10	.45	3.25

HEDGE PLANTS.

Osage, Honey Locust and Russian Mulberry Seedlings, see page 70.

	Each	Per 10	Per 100
Siberian Pea Tree (Caragana).....12-18 inch	\$0.12	\$0.80	\$ 6.50
Common Buckthorn.....12-18 inch .....	.07	.60	4.30
Barberry Thunbergi.....10-15 inch .....	.....	.....	10.75
Barberry, Purple Leaved.....10-18 inch .....	.....	.....	12.50
California Privet.....18-24 inch .....	.10	.80	5.80
Amoor River Privet.....12-18 inch .....	.10	.90	6.20
Spiraea Thunbergi.....12-18 inch .....	.....	1.55	13.00
Spiraea Van Houtti.....12-18 inch .....	.....	1.55	13.00

EVERGREENS.

	Each	Per 10	Per 100
American Arbor-Vitae.....4- 8 inch	\$0.07	\$0.50	\$ 3.20
Chinese Arbor-Vitae.....6-12 inch .....	.07	.70	5.30
Douglas Fir.....6- 8 inch .....	.07	.50	3.65
Blue Spruce.....4- 6 inch .....	.07	.60	4.20
".....10-12 inch transplanted.....	.65	5.20	.....
Black Hill Spruce.....6- 8 inch .....	.07	.65	6.25
Norway Spruce.....4- 8 inch .....	.07	.50	3.25
Austrian Pine.....5-10 inch .....	.08	.70	5.30
Scotch Pine.....6-12 inch .....	.07	.60	4.30
Jack Pine.....6-12 inch .....	.07	.55	4.30
Red Cedar.....6-10 inch .....	.40	3.40	25.75
Irish Juniper.....1½-2 feet, transplanted.....	.30	6.00	.....
European Larch.....12-18 inch transplanted.....	.50	3.50	.....
Bull Pine.....4- 8 inch seedlings.....	.07	.55	4.30

FLOWERING SHRUBS.

	Each	Per 10
Moss Acacia.....2- 3 feet	\$0.35	\$ 0.95
Almond, Double Flowering Pink.....2- 3 feet .....	.35	.95
Almond, Double Flowering White.....2- 3 feet .....	.35	.95
Althea, all varieties.....2- 3 feet .....	.35	.95
Amorpha Fruticosa.....2- 3 feet .....	.35	.95
Tree Althea, too large by mail.....4- 5 feet .....	.....	.....
Azalea Mollis, are heavy with ball of dirt.....12-18 inch	1.25	.....
Barberry, Purple Leaved.....2- 3 feet .....	.35	.95
Barberry Thunbergi.....2 feet .....	.30	.85
Calycanthus.....2- 3 feet .....	.35	.95
Exochorda Grandiflora (Pearl Bush).....2- 3 feet .....	.40	1.10
The Everblooming Butterfly Bush.....2- 3 feet .....	.40	1.10
Cornus, Siberian Dogwood.....2- 3 feet .....	.30	.80
" Florida.....2- 3 feet .....	.35	.95
Deutzia Lemoinel.....2- 3 feet .....	.35	.95
Deutzia, Pride of Rochester.....2- 3 feet .....	.35	.95
Flowering Currant, Yellow.....2- 3 feet .....	.30	.85
Flowering Currant, Red.....2- 3 feet .....	.30	.85
Fringe Tree, Purple.....2- 3 feet .....	.35	.95
Fringe Tree, White.....2- 3 feet .....	.35	.95
Forsythia, Golden Bell.....2- 3 feet .....	.40	1.10
Weeping Forsythia.....2- 3 feet .....	.30	.85
Globe Flower, Double.....2- 3 feet .....	.35	.95
White Globe Flower.....2- 3 feet .....	.40	1.10
Elder, American.....2- 3 feet .....	.23	.60
Elder, Golden.....2- 3 feet .....	.35	.95
Highbush Cranberry.....2- 3 feet .....	.35	.95
Bush Honeysuckle, Red Tartarian.....2- 3 feet .....	.30	.85
Bush Honeysuckle, White Tartarian.....2- 3 feet .....	.30	.85
Bush Honeysuckle, Morrowi.....2- 3 feet .....	.35	.95
Honeysuckle, Fragrantissima.....2- 3 feet .....	.40	1.10
Hydrangea Paniculata Grandiflora.....2- 3 feet .....	.35	.95
Hydrangea, American Everblooming.....2- 3 feet .....	.45	1.15
Japanese Quince, Red.....2- 3 feet .....	.30	.85
Japanese Quince, White.....2- 3 feet .....	.35	.95
Lilac, Common Purple.....2- 3 feet .....	.30	.85
Lilac, Common White.....2- 3 feet .....	.35	.95

Corydon, Iowa, Febr. 23, 1917.

Am sending a small seed order this year. The fruit trees and berry bushes I got three years ago from you are doing so well, we don't need any more. They are as fine an orchard of their size as there is in the country.

Gust. J. Carlson.

Ottwell, Ark., Apr. 18, 1917.

My last order of grapes is fine. All alive and growing nicely.

R. Hubbell.

Rush Springs, Okla., Febr. 21, 1917.

I am glad to tell you that those Henderson's Bush Lima Beans I bought last year did well. I saved seed, am going to plant many more this year.

Dimmitt Turner.

Rolf, Nebr., Apr. 24, 1917.

We received our order in an excellent condition. The strawberry plants are surely nice.

Albert G. Lurz

PARCEL POST—TREES AND PLANTS BY MAIL—PARCEL POST.

TREES OF SIZES LARGER THAN QUOTED BELOW CANNOT BE SENT BY MAIL.

FLOWERING SHRUBS.—(Continued.)

		Each	Per 3
Lilac, budded, 4 special varieties.....	2- 3 feet	\$0.45	\$1.25
Mock Orange or Syringa	2- 3 feet	.30	.85
" " Lemoine	2- 3 feet	.30	.85
" " Mont Blanc	2- 3 feet	.35	.90
Oleaster (Eleagnus Longipes)	2 feet	.35	.95
Privet, California	18-24 inch	.10	.25
" "	2- 3 feet	.25	.65
" " Amoor River	12-18 inch	.10	.25
" "	18-24 inch	.17	.45
Spiraea, Van Houtti	2- 3 feet	.30	.85
" Prunifolia	2- 3 feet	.35	.90
" Thunbergi	2- 3 feet	.30	.80
" Anthony Waterer	18 inch	.35	.90
" Billardi, Red Flowers	2- 3 feet	.30	.85
" Billardi, White Flowers	2- 3 feet	.30	.85
" Omnifolia	2- 3 feet	.45	1.15
" Wallut	18-24 inch	.50	1.35
Snowball, Guelder Rose	2- 3 feet	.35	.90
Japanese Snowball	2- 3 feet	.45	1.15
Viburnum Lantana	2- 3 feet	.35	.90
Snow or Waxberry, White Fruited	2- 3 feet	.35	.95
Snow or Waxberry, Red Fruited	2- 3 feet	.30	.85
Sumac, Fern Leaved	2- 3 feet	.35	.90
Tamarix, Odessa	2- 3 feet	.35	.90
Weigelia, Eva Rathke	2- 3 feet	.45	1.15
" Rosea	2- 3 feet	.35	.95

CLIMBING SHRUBS.

	Each	Per 3		Each	Per 3
Akebia	\$0.37	\$1.00	Wistaria, Alba .....	.35	.90
Ampelopsis Engelmanni .....	.28	.70	Madeira Vine .....	.06	.15
Boston Ivy .....	.33	.85	Trailing Periwinkle .....	.15	.35
Virenia Creeper, Woodbine .....	.28	.70	Dakota Grape .....	.50	1.10
Aristolochia (Dutchman's Pipe) .....	.68	1.90			
Bitter Sweet .....	.33	.85			
Chinese Matrimony Vine .....	.28	.70			
Cinnamon Vine .....	.17	.45			
Japanese Kudzu Vine .....	.33	.85			
Honeysuckle, Hall's Evergreen Japan .....	.35	.95			
Honeysuckle, Red Coral .....	.30	.75			
Trumpet Vine .....	.33	.85			
European Trumpet Vine .....	.40	1.10			
Wistaria, Chinese Purple .....	.35	.90			

CLEMATIS.

	Each	Per 3
Ville de Lyon	\$0.55	\$1.35
Jackmanii, Blue .....	.55	1.35
Henryi, White .....	.55	1.35
Madame Edouard Andre, Crimson .....	.55	1.35
Ramona Lavender .....	.55	1.35
Paniculata, White .....	.55	1.00
Duchess of Edinburgh, Double White .....	.55	1.35

ROSES.

HARDY EVERBLOOMING HYBRID TEA ROSES.

	Each	Per 3
Radiance, Rosy Carmine	\$0.45	\$1.25
Daily Mail Rose, Coral Red and Yellow .....	.45	1.25
American Beauty, Red .....	.45	1.25
Gruss an Teplitz, Red .....	.45	1.25
Hugh Dickinson, Crimson .....	.45	1.25
Johnkeer Mock, Pink .....	.45	1.25
Kaiserin Augusta Victoria, Cream .....	.45	1.25
Killarney, Pink .....	.45	1.25
Madame Caroline Testout, Pnk .....	.45	1.25
Otto Von Bismarck, Pink .....	.45	1.25
Queen of Colors, Bright Rose .....	.45	1.25
Maman Cochet, Pink .....	.45	1.25
Maman Cochet, White .....	.45	1.25
Juliett, Old Gold and Orange .....	.45	1.25
Madame Ravary, Orange and Yellow .....	.45	1.25
Rayon D'Or, Yellow .....	.60	1.55
Rhea Reid, Crimson .....	.45	1.25

HARDY HYBRID PERPETUAL ROSES.

	Each	Per 3
Cleo, Satiny Blush	\$0.40	\$1.10
General Jacqueminot, Velvety Crimson .....	.40	1.10
Paul Neyron, Bright Red .....	.35	1.00
Prince Camille De Rohan, Velvety Crimson .....	.40	1.10
Snow Queen, White .....	.45	1.25
Geo. Arends, Pink Snow Queen .....	.45	1.25
Snow Queen, Scented, White .....	.50	1.35
Ulrich Brunner, Cherry Red .....	.35	1.00
Mrs. John Laing, Pink .....	.40	1.10
Soleil D'Or, Yellow .....	.45	1.25

BABY RAMBLERS.

(Dwarf Polyantha Roses.)

	Each	Per 3
Red Baby Rambler	\$0.35	\$0.90
Baby Dorothy .....	.35	.90
Ellen Poulsen .....	.35	.90
Catherine Zelmet .....	.35	.90
Gruss An Aachen .....	.65	1.65
Baby Tausendschoen .....	.35	.90
Annie Mueller .....	.40	1.05
Erna Teschendorff .....	.55	1.40

ATTAR ROSE.

	Each	Per 3
Rose Gallica	\$1.00	\$2.50

MOSS ROSES.

	Each	Per 3
White Bath, White	\$0.35	\$1.00
Salet, Light Rose .....	.35	1.00
Henry Martin, Red .....	.35	1.00

HARDY CLIMBING ROSES.

	Each	Per 3
Climbing American Beauty	\$0.55	\$1.35
Excelsa .....	.40	1.10
Baltimore Belle .....	.35	.90
Crimson Rambler .....	.35	.90
New Everblooming Rambler .....	.35	.90
The Blue Rose .....	.35	.90
Dorothy Perkins, Pink .....	.35	.90
Dorothy Perkins, White .....	.35	.90
Prairie Queen .....	.30	.85
Seven Sisters .....	.35	.90
Thousand Beauties .....	.35	.90
Yellow Rambler .....	.35	.90

SUMMER ROSES.

	Each	Per 3
Madame Plantier	\$0.35	\$0.90
Persian Yellow .....	.40	1.05

EVERGREEN MEMORIAL ROSES.

	Each	Per 3
Wichuriana	\$0.35	\$0.90
Sweetheart, Rosy Pink .....	.40	1.05

MISCELLANEOUS ROSES.

	Each	Per 3
Rugosa Rubra	\$0.35	\$0.90

TREE ROSES.

	Each	Per 3
Crimson Rambler	\$1.10	.....
Hybrid Perpetual Tree Roses	1.10	.....
Everblooming Monthly Tree Roses	1.20	.....
Baby Rambler Tree Roses	1.15	.....
Thousand Beauties Tree Rose	1.20	.....

LETTERS FROM MY CUSTOMERS

FROM ALMOST EVERY STATE IN THE UNION.

I receive a large number of letters every year from my customers, telling me how the Trees or Seeds they purchased of me were doing. I give a few of them here, as they may interest the readers of my catalog. They show that trees, etc., grown in a climate like Nebraska will grow in most any state, also that we know how to pack, so trees and plants reach destination in good shape, and grow. None of these letters were solicited.

Trees I had from you are very satisfactory.
N. J. OLIVER,
Lincoln, Mich.

I have received the plants in two different shipments, the second of which arrived today in good condition.
JOHN KAMERY,
Ogden, Utah.

I planted some of your seeds last season for one of my neighbors and they grew the best of any seeds I ever planted.
DAVID McCALL,
Lutsen, Minn.

I beg to acknowledge the receipt of Rose bushes and Gladiolus bulbs. They were in good shape and well packed.
LOUIS V. PARENT,
Providence, R. I.

Have received the trees and plants you shipped on the 20th of March and thanks to the good packing, they are all in good condition.

JOHN ALLISON,
Hibernia, N. J.

My seeds came to me all right, am more than pleased. All that see my seeds say they are the best collection they have ever seen.

MAGGIE HARRIS,
Morgan City, Miss.

In the last twenty years I have often bought trees of you. About ten years ago I bought a large assortment of apples, pears, cherries and plums, also some of another firm in Missouri. These trees cost three times as much as yours and were not as good.
J. F. PETERMANN,
Ellsworth, Kans.

I tried some of your new varieties of Strawberries which I planted last March. They began to bear about the 20th of May, then every two weeks or ten days, there would be more ripe berries, and I pulled the last berry on the 8th of December, 1915. They are fine flavor and good size.

F. L. ROSEN,
Alcoma, Va.

2-14-16.

Only ten days from sending the order the trees were here. I was surprised. So nice looking and well packed and much larger than I expected. If they don't live it will be my fault. A man saw me planting and said: "What roots!" and the bark is as juicy as if just dug. I will send in a larger order and think it will get others for you.

ED C. COWLES,
Dunlap, Tenn.

When Missionary Rev. H. C. Bartel of China bought some trees of you last winter, they were lost a few weeks. Finally after much trouble and expense, I found them and forwarded them to China and they finally arrived at destination, and I have just received a letter from Rev. Bartel under date of May 22nd, as follows: "Trees finally arrived and to our astonishment the most of them are growing now."

M. B. EAST,
Reedley, Calif.

6-23-14.

Received the alfalfa and peanuts today O. K., also received the trees and other seeds in good shape some time ago. Have planted all the nursery stock and it is all growing. One of the crab apple trees is blooming already and has been planted twenty days today. Your seeds and trees sure do grow. Thanking you for the prompt and careful attention which you gave my order, I beg to remain,

MRS. L. E. STRATTON,
Loxley, Ala.

This is the second season that I have goods from you, and the enclosed order is the second one I have sent you this season. It gives me pleasure to say that all goods you have shipped to me have proven better than I expected at the price owing to the careful way you packed them. It is a genuine satisfaction to open a package from your house. For the past two seasons I have also ordered trees from a South Dakota nursery, and both times I have been disappointed both in quality of trees and in service. From now on you can count on me as a booster for Sonderegger.

5-3-16.

W. D. JAMISON,
Douglas, Wyo.

Received Order No. 9675 O. K. Many thanks.
MRS. ANNA SCHROEDER,
Dunn Center, N. D.

The strawberry plants I purchased from you last fall were good, all that could be expected. With success to you, I am,
A. BECKER
East Bank, W. Va.

Your letter of the 17th at hand, and my last order was promptly received and the four grape vines are commencing to bud out.
OTTO W. DRESSER,
4-20-14. Carson City, Nev.

I have had very good success with the seedling trees I got from you last year and the year before.
C. CLIFTON LUFTIN,
2-24-17. Rock Island, Me.

About seven years ago I ordered apples, peach, plum, chestnuts and roses. Most every year I have ordered garden seeds and I never failed when I ordered from you.
W. A. HAMMER,
1-14-17. Eufaula, Okla.

All goods which I ordered from you in the past have been more than satisfactory and I have been pleased with your kind, business-like manner in handling my orders.
H. B. HOWDLE,
Wendland, Ida.

I am a little late in acknowledging receipt of trees, shrubs and cuttings which arrived in very good condition. They show to be full of life at present date and I am more than pleased with the quality of stock you sent, which is far superior to any I have received from other nurseries for years back.
DR. C. E. BOUCHER,
Boston, Mass.

Seeds ordered were promptly delivered. Please accept my thanks to you for the display of care taken in filling the order. I have been a regular patron of your industry for several years. I have noticed the same display of neatness in packing every time, and besides, I always received what I ordered. Many thanks for extras sent.

H. T. ANTHONY,
1-8-16. Mansfield, La.

I do wish you could see our orchard I set out eight years ago. The trees I got from your nursery are in full bearing. The cherry and apple trees are not so very large, but are bearing now for some years, and the finest of fruit. If I had a picture of one of our apple trees I know I could get the prize, as it was a small tree just loaded with apples and holding its limbs up.

MRS. MATH. NOLLEN,
3-19-17. Panama, Ia.

I must thank you for sending me such good nursery stock this spring. I am very grateful to you people for sending such well rooted, live trees. I bought a few trees from a South Dakota nursery at the same time. Big tops, no roots. All were planted same as yours. Exactly three-fourths of them died, as trees without roots cannot live. I also got some small fruits from an Iowa firm, including rose bushes; they were dead upon arrival. Planted with care, without results. You may send me your next catalog when issued and expect all of my orders next time.

E. Y. ROWLAND,
6-8-14. Salem, S. D.

Will say that all plants I have got from you have all made a wonderful growth; the apples and pears I got from you a couple of years ago by mail are loaded with flowers now. The Compass Cherry I got last year by mail are also in bloom, now nearly white. The trees of the four had a few cherries on last year, but they are late in ripening, which is the only objection. Your cabbage plants seem to be more vigorous than plants from seeds from the Pacific coast. I got some mixtures of seeds from you about three years ago for hog pasture and there is one variety that I would like to get to sow for hay crop. It is simply wonderful, headed in June, about 5 feet tall, and ready to cut. I am not certain of its name, so I will send you some this summer. If you can tell me what it is, I will want some more of it. Thanking you for past favors, I am,
Respect, yours.

ANDRES JOHNSON,
Malln, Ore.

5-6-16.

SEED DEPARTMENT

This Department is under the management of my sons, Ernest and Arthur Sonderegger, who have been raised in my seed business, and both have worked in large Seed Establishments in Europe. All orders entrusted to us will be conscientiously and promptly filled and dispatched.

On the following pages I list the standard varieties, also newer sorts of merit, in **Vegetable, Flower and Farm Seeds**. All varieties are reliable and have my recommendation, and I describe them as near true as is possible.

ORDER YOUR SEEDS EARLY. All Vegetable and Flower seeds, also Seed Corn, are rather scarce this year and while in most varieties we have a large stock on hand, I would advise all my customers to order early; the demand for good seeds with good germination will be unusually large. I want to supply all my customers and can do it if you will just send me your orders early.

I will be prepared to fill seed orders when this catalog reaches you, and I will be greatly obliged to my customers if they would order early to avoid the rush, which always comes late in the spring. Send in your combined orders of trees, seeds and plants, and I will send seeds at once and trees and plants when time for planting comes in your locality. You will find two places on the order sheet in my catalog, one for trees and plants and one for seeds. You will help me very much and there will be less delay in filling orders, if you will use spaces as indicated.

My seeds are not grown on a basis of cheapness, but of quality, yet I aim to quote every item at reasonable prices, being satisfied with a small percentage of profit. It takes great care, costs much time and money to produce our Selected Stock of Seeds—such seeds cannot be sold cheaply. I do not handle cheap seeds, and I guarantee all seeds which I carry in stock to comply with the laws of Nebraska in regard to purity and germination.

This catalog is intended to appeal to those seed buyers who want first-class stock at lowest prices, consistent with such stock, buyers who can appreciate honest descriptions and illustrations, and who expect to receive seed just as represented.

PRICES. As all kinds of good seeds are rather scarce, naturally prices rule higher than usual. I have made them as low as possible and assure my customers that I am in no way taking advantage of them.

SEEDS BY PARCEL POST. I deliver postpaid by parcel post or express any seeds offered in my catalog "By Paid Parcel Post."

NOTICE. Seeds are now included in the parcel post system. As I am located in the center of the U. S., I can deliver packages by parcel post much cheaper than any Eastern Seed House.

The new parcel post rates are much cheaper than the old rate of 8 cents per pound. The weight of packages for local and first and second zone has also been increased from 11 lbs. to 50 lbs. and for the third, fourth, fifth, sixth, seventh and eighth zones has been increased to 20 lbs. In this way much larger packages, at a much less cost, can be delivered free at your door. It will also save you many trips to the express or freight office.

FOREIGN ORDERS. To my customers in Australia, New Zealand, Mexico and other countries, I will ship Vegetable and Flower Seeds in packets, ounces and pounds, at mailing prices, provided the order amounts to \$1.00 or more. For all Canada orders by mail, the amount of 8 cents per pound, must be added to my postpaid prices.

SEEDS BY EXPRESS OR FREIGHT means, that I will deliver them to Express or Railroads here, and the purchaser pays all transportation charges on receipt of goods. I send \$10.00 orders of trees and plants freight prepaid, but cannot do so on seeds, except in packets, ounces and pounds, at mailing price.

MARKET GARDENERS' trade is especially invited. I can please you and all I ask is to give me a trial. Special Wholesale Price List for Market Gardeners is sent free to all who buy bulk seeds in large quantities.

GUARANTEE ON SEEDS. While I exercise the greatest diligence and care to have all my seeds true to label and of best quality, I wish it understood that I give no warranty, express or implied, as to description, quality, productiveness or any other matter of any seeds I send out and will not in any way be responsible for the crop. If the purchaser does not accept the goods on these terms, they are to be returned at once. Subject to above conditions, I make sales at the very moderate prices at which I sell my goods.

**SONDEREGGER NURSERIES & SEED HOUSE,
BEATRICE, NEBR.**

75c

COLLECTION OF BEST VEGETABLES.

75c

18 VARIETIES, ALL GOOD RELIABLE SORTS.

Beans, Early Yellow Six Weeks.	Cucumber, Davis Perfect.	Pumpkin, Tennessee Sweet Potato.
Beet, Early Blood Turnip.	Lettuce, Big Boston.	Squash, Delicious.
Cabbage, Early Winningstadt.	Muskmelon, Emerald Gem.	Tomato, Beauty.
Cabbage, Premium Late Flat Dutch.	Watermelon, Iceberg or Blue Gem.	Turnip, Purple Top White Globe.
Carrot, Oxheart.	Onion, Danvers Yellow Flat.	Herbs, Mixed.
Sweet Corn, Early Minnesota.	Peas, Thomas Laxton.	
	Radish, Chertier.	

THESE 18 PACKAGES WILL BE SENT BY MAIL TO ANY ADDRESS IN THE U. S. FOR ONLY 75c. REGULAR PRICE WOULD BE \$1.05.

PRICES SUBJECT TO CHANGE.

I WILL FILL ORDERS of Vegetable Seeds in larger quantities, also of Potatoes and Field Seeds of all kinds, at **PRICES QUOTED IN MY CATALOGUE UNTIL MARCH 1st.** After that date prices will be subject to change; there is a great probability that all prices will advance a good deal before the spring trade is over. Order early, or after March 1st, please write me for prices if seeds are desired in large quantities.



Garden grown
from Seeds pur-
chased from Son-
deregger Nurseries
and Seed House.

FRED LEE,
Okaton
yman Co, S, D.



VEGETABLE SEEDS.

Every effort possible is used in the selection of my seeds, and I feel justified in saying that all my seeds are the purest and best to be had. The packages are, I believe, better filled than most seedsmen send out, while my prices are as low as those of any other reliable firm.

ASPARAGUS.

In early spring sow seed, after soaking it 24 hours in warm water, in drills one foot apart and one inch deep. During the summer keep the soil yellow and free from weeds, thinning the plants to 4 inches apart. The following spring transplant them into permanent beds that have been deeply dug and highly manured. One ounce of seed to 50 feet drill; 5 lbs. to the acre.

EARLY GIANT ARGENTEUIL. The earliest large green sort. Best for gardeners. Pkt. 5c; oz. 10c; ¼ lb. 35c; lb. \$1.10 postpaid.

CONOVER'S COLOSSAL. A mammoth green sort of the best quality. Pkt. 5c; oz. 10c; ¼ lb. 35c; lb. 75c.

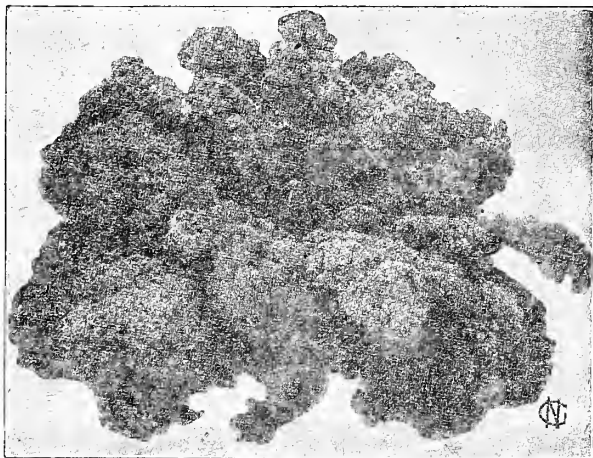
PALMETTO. An early green sort, prolific and very desirable. Is fast becoming the favorite everywhere. Pkt. 5c; oz. 10c; ¼ lb. 20c; lb. 60c.

COLUMBIAN MAMMOTH WHITE. This variety is in great demand because it furnishes white shoots. Pkt. 5c; oz. 10c; ¼ lb. 25c; lb. 80c.

BONVALLET'S GIANT. Most

vigorous and healthy of all varieties, and best for home and market use. Pkt. 10c; oz. 15c; ¼ lb. 35c; lb. \$1.25 postpaid.

ASPARAGUS ROOTS. See page 26.



Borecole, Dwarf German.

BORECOLE OR KALE.

The best plant for furnishing "greens." The greens are for fall, winter and spring use. Sow seed about the middle of June and later transplant to rows 2½ to 3 feet apart. The dwarf sorts may be sown later. Frost improves the quality. One ounce will produce 2,000 plants.

DWARF GREEN GERMAN. Hardier than cabbage, leaves very tender, finest flavor. Immense quantities are grown in the South and shipped to Northern markets. Pkt. 5c; oz. 15c; ¼ lb. 40c postpaid.

DWARF PURPLE GERMAN. A variety of the preceding and identical with it, except in color, which is a beautiful deep purple. Pkt. 5c; oz. 15c; ¼ lb. 35c postpaid.

TALL GREEN CURLED SCOTCH. This is one of the most popular varieties. It is very hardy and is much improved by frost. Grows 2 feet high. Pkt. 10c; oz. 20c; ¼ lb. 50c postpaid.

BROCCOLI.

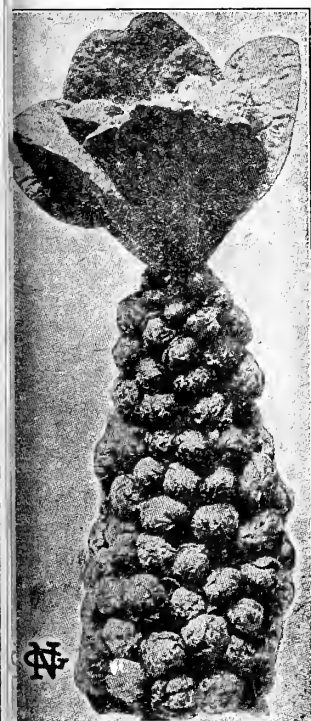
Sow seed in Central West early in May, transplant in June. Growth and habit like cauliflower, but far more hardy. Of special value in the North. One ounce produces 2,500 plants.

LARGE WHITE. Large white heads. Pkt. 10c; oz. 40c; ¼ lb. \$1.25 postpaid

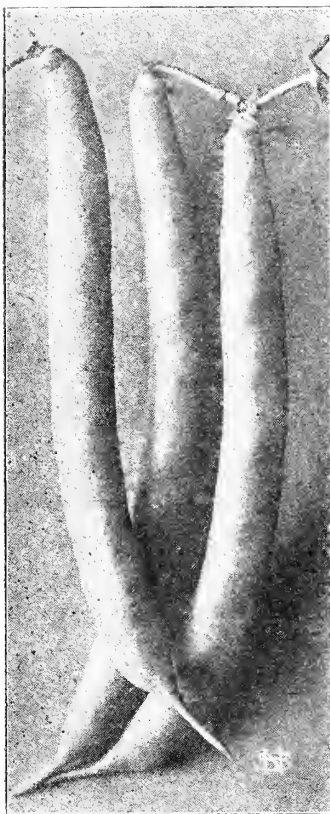
BRUSSELS SPROUTS.

One of the best vegetables for winter use, producing an abundance of sprouts, resembling small cabbages; of excellent mild flavor. By sowing in April and planting out in July, it may be had in fine condition until December, and in the South from November to March.

IMPROVED DWARF. Of dwarf habit, a healthy grower, finest quality. Pkt. 5c; oz. 20c; ¼ lb. 60c postpaid.



Brussels Sprouts.



Burpee's Fordhook Favorite,
grown in my garden.

and straight, entirely stringless and of a crisp tender flavor. A very profitable sort on account of its earliness and quality. Pkt. 10c; $\frac{1}{4}$ lb. 15c; lb. 50c; 3 lbs. \$1.25, postpaid; 10 lbs. \$3.50; 25 lbs. \$8.25 not prepaid.

IMPROVED RED VALENTINE. Grows robust and vigorous, producing the round, curved pods very abundantly. The pods are remarkably fleshy and very tender and remain on the plant a long time without becoming hard. Excellent in quality and uniformity of ripening; nearly the whole crop can be taken off at one picking. Pkt. 5c; $\frac{1}{4}$ lb. 15c; lb. 45c; 3 lbs. \$1.25 postpaid; 10 lbs. \$3.50; 25 lbs. \$8.50, not prepaid.

EARLY YELLOW SIX WEEKS. Very early and a good yielder. Grows erect and bushy, producing edible pods 30 days after germination. The pods are long, flat and straight. A standard sort and excellent snap bean. Pkt. 5c; $\frac{1}{4}$ lb. 15c; lb. 40c; 3 lbs. \$1.10 postpaid; 10 lbs. \$3.30; 25 lbs. \$7.00 not prepaid.

LONGFELLOW STRINGLESS. The vines are of robust growth, and produce the pods in truly wonderful profusion. Pods are extra long, round and fleshy, very tender and absolutely stringless. As an early snap bean and for canning it is unexcelled. Pkt. 10c; $\frac{1}{4}$ lb. 15c; lb. 50c; 3 lbs. \$1.25 postpaid; 10 lbs. \$3.50 not prepaid.

EARLY ERFURT BROAD BEAN. An improvement of the old English Broad or Windsor Bean. The plant is of robust and upright growth, entirely different from any other bean. Pods are very long, broad and filled with 5 to 9 beans of extra large size and of most delicate flavor. The beans are used shelled and are superior in quality to Lima Beans. Can be planted early as they are quite hardy. Pkt. 10c; $\frac{1}{4}$ lb. 20c; lb. 55c; 3 lbs. \$1.45 postpaid.

BOSTON PEA BEAN. An improvement over the old Navy Bean. A very prolific field bean, and largely grown in all sections where field beans are grown in a commercial way. Pkt. 5c; $\frac{1}{4}$ lb. 12c; lb. 35c; 3 lbs. \$1.00 postpaid; 10 lbs. \$2.90; 25 lbs. \$7.00 not prepaid.

WHITE TEPARY. A drouth-resisting bean, raised by the Indians of Arizona. The beans are white in color, similar to the White Navy, but smaller and far more productive. They are used as a shell-bean, cook well, and are of a delicious flavor. It is a variety that produces wonderful crops with less moisture than any other bean. Pkt. 5c; $\frac{1}{4}$ lb. 12c; lb. 35c; 3 lbs. \$1.00 postpaid; 10 lbs. \$2.90; 25 lbs. \$7.00 not prepaid.

Rush Springs, Okla., Febr. 21, 1917.
I am glad to tell you that those Henderson's Bush Lima Beans I bought last year did well. I saved seed, am going to plant many more this year.

Dimmitt Turner.

Macomb, Ills., Febr. 1, 1917.
I have raised your Beebe's Early Prolific tomato and I think that it is the very best tomato that grows and I have several different kinds.

Mrs. Mary Hampton.

BEANS.

DWARF OR BUSH BEANS.

Plant in drills $1\frac{1}{2}$ inches deep and drop the beans 3 inches apart in the drills. The rows should be 2 to 3 feet apart. Beans are sensitive to both cold and wet, and cannot be planted until danger of frost is past and the ground has become dry and warm. A sandy loam is best. Up to the time of blossoming the plants should have frequent shallow cultivation. For succession plant every two weeks. $1\frac{1}{2}$ lbs. will plant 100 feet of drill; 90 lbs. per acre. Deduct 8c from pound price if to be sent with other goods at your expense.

DWARF GREEN POD VARIETIES.

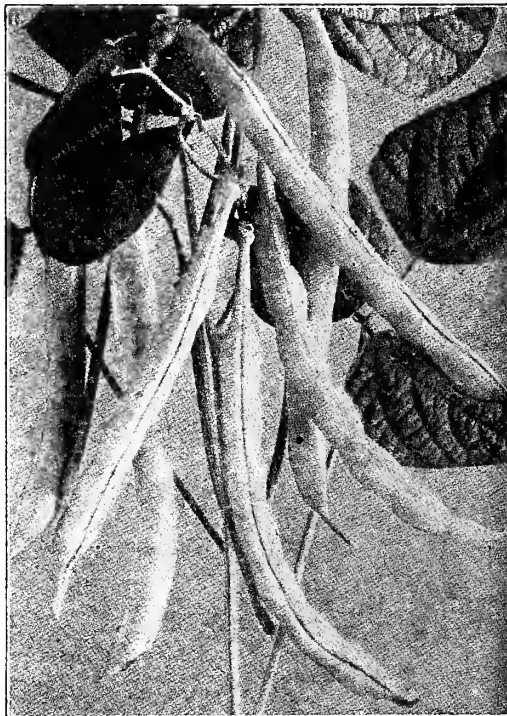
SONDEREGGER'S GIANT STRINGLESS GREEN POD. The vines are of robust growth, very prolific and produce the pods in wonderful profusion. The pods are extra long, round and fleshy, very tender and absolutely stringless. As an early snap bean and for canning purposes it is unexcelled. In my trial grounds it proved to be one of the very best beans. Pkt. 10c; $\frac{1}{4}$ lb. 15c; lb. 55c; 3 lbs. \$1.50 postpaid; 10 lbs. \$4.25; 25 lbs. \$10.00 not prepaid.

BURPEE'S FORDHOOK FAVORITE. For a number of years my customers have been asking me for a white seeded, stringless, green-podded bush bean. So I have made a special effort to get this variety and I feel sure you will all be pleased with same. It is a few days later than Burpee's Stringless but of equally good, if not better quality. The bushes grow high, are very vigorous and produce enormous crops of handsome light-green pods. The pods are 5 to 6 inches long, almost round, brittle, juicy, free from tough fibre and entirely stringless at all stages of its growth. Last summer I planted some Burpee's Fordhook Favorite Beans in my garden and had excellent results with same, especially for canning in the fall. The seeds being white, can be used for dry beans in the winter. Pkt. 10c; $\frac{1}{4}$ lb. 15c; lb. 55c; 3 lbs. \$1.50 postpaid; 10 lbs. \$4.20; 25 lbs. \$10.00 not prepaid.

EARLY REFUGEE OR THOUSAND TO ONE. This is a bean that ought to be grown more than it is. I plant them in my garden for early, medium or late plantings, and always with best results. The pods are round, of pale green color, thick and fleshy, straight and with but few strings. The plants are large, spreading, hardy and very productive. Especially desirable for pickling. Pkt. 5c; $\frac{1}{4}$ lb. 15c; lb. 45c; 3 lbs. \$1.25 postpaid; 10 lbs. \$3.50; 25 lbs. \$8.50, not prepaid.

BLACK VALENTINE. A great improvement over the popular standard sort Early Red Valentine being one-third longer; pods perfectly round straight, although not quite so early. It has the additional advantage of being suitable both for early and late planting, being extremely hardy. A most desirable sort for market gardeners, owing to its enormous yielding qualities, large and handsome appearance. Pkt. 5c; $\frac{1}{4}$ lb. 15c; lb. 40c; 3 lbs. \$1.10 postpaid; not prepaid, 10 lbs. \$3.00.

BURPEE'S NEW STRINGLESS. Considered the best green podded bush bean for general planting and the market. The pods are long, full and straight, entirely stringless and of a crisp tender flavor. A very profitable sort on account of its earliness and quality. Pkt. 10c; $\frac{1}{4}$ lb. 15c; lb. 50c; 3 lbs. \$1.25, postpaid; 10 lbs. \$3.50; 25 lbs. \$8.25 not prepaid.



Sonderegger's Giant Stringless Green Pod.

BEANS.—(Continued.)**DWARF WAX POD VARIETIES.**

SONDEREGGER'S MAMMOTH WAX. Giant among beans. The pods frequently attain a length of from 8 to 10 inches, with the thickness of a man's finger, and are nearly all solid pulp, the seeds being very small when fit for use. A rich golden yellow color, and are absolutely stringless, cooking tender and of delicious quality. It is enormously productive, as many as fifty of its monster pods being counted on one bush. Pkt. 10c; ¼ lb. 20c; lb. 60c; 3 lbs. \$1.60, postpaid; 10 lbs. \$4.90; 25 lbs. \$11.25, not prepaid.

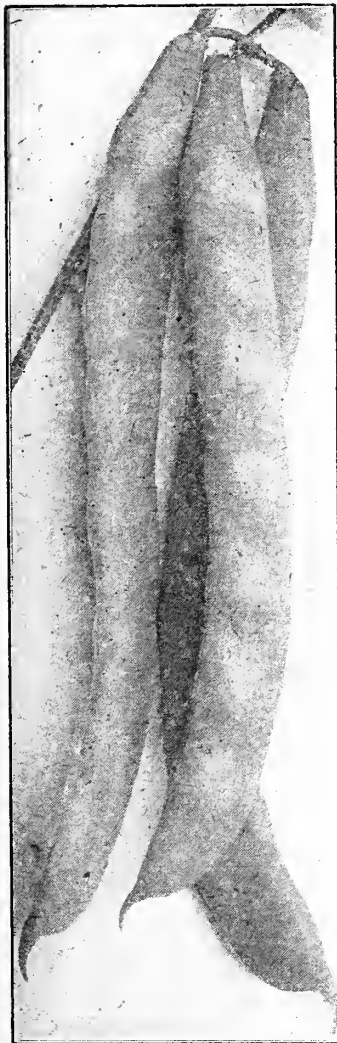
SONDEREGGER'S IMPROVED BLACK WAX. An improved strain of the old standard variety of German Black Wax. The pods are borne in great profusion and the bushes are more rust-resisting. A very superior snap bean, ripening among the first earliest and almost as well suited for late planting. Pods are round, yellowish white, tender and of fine flavor. Pkt. 10c; ¼ lb. 20c; lb. 55c; 3 lbs. \$1.50 postpaid; 10 lbs. \$4.90; 25 lbs. \$11.00, not prepaid.

ROUND POD KIDNEY WAX. Crop total failure; cannot supply this season. I hope to be able to list this variety again next season.

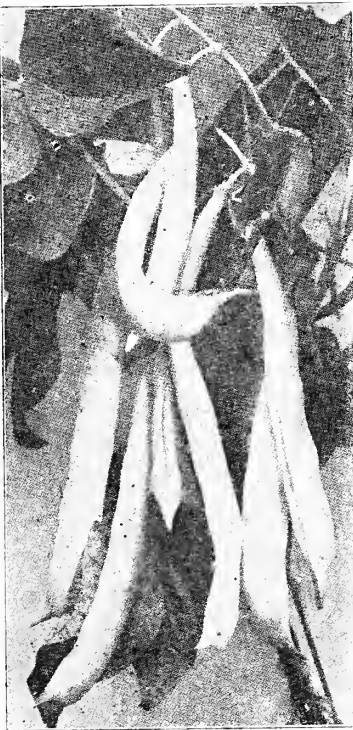
R. R. No. 1, Rush, Colo.,

Nov. 5, 1917.

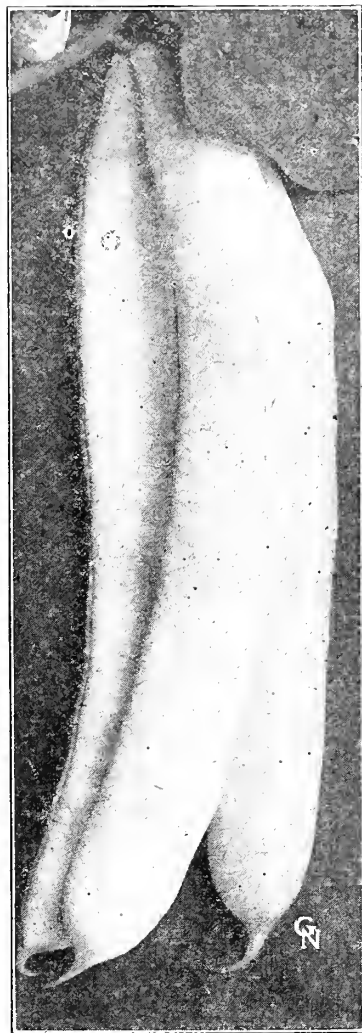
Will tell you why I did not order from you the past two years. Along with your catalogs I received several others and in looking them over, seen that yours was some higher in price, so decided to try the cheapest. To my sorrow I soon saw that I had made a mistake, for my seeds did not come up as you had the year before, so if you will send me your catalog this time, I will try your seeds again. Mrs. Kate Marks.



Sonderegger's Mammoth Wax.



Improved Golden Wax.



Wardwell's Kidney Wax.
I grow them for second early.

BURPEE'S NEW KIDNEY WAX. An exceedingly productive and handsome bean. More robust in growth and more prolific than Wardwell's Kidney Wax, with longer pods, of finer quality, more fleshy, entirely stringless and more handsome in appearance. The plants are of erect bush habit, growing 18 to 20 inches high. The pods are flattened in form, of rich yellow color and will grow 6 to 7 in. long. Pkt. 10c; ¼ lb. 18c; lb. 50c; 3 lbs. \$1.40, postpaid; 10 lbs. \$4.50, not prepaid.

MICHIGAN WHITE WAX. A white seeded Golden Wax, but it is superior to that popular variety. The vine is a little larger, more robust and vigorous; foliage a little heavier. The handsome pods are produced in great abundance and are very uniform in size and color, which is an attractive light golden yellow. Pkt. 10c; ¼ lb. 15c; lb. 50c; 3 lbs. \$1.35, postpaid; 10 lbs. \$4.00, not prepaid.

GERMAN BLACK WAX. Well known in many localities as Butter Beans. A very superior snap bean, ripening among the first earliest and almost as well suited for late planting. It is a sturdy grower and yields well. Pods are round, yellowish-white, tender and of fine flavor. Continues in bearing a long time. Seeds are glossy black. Pkt. 10c; ¼ lb. 15c; lb. 50c; 3 lbs. \$1.35, postpaid; 10 lbs. \$4.00, not prepaid.

IMPROVED GOLDEN WAX. The standard variety of wax beans, well known and largely planted by market gardeners everywhere. Pods are large, long, brittle, entirely stringless, and of a beautiful rich golden wax color. As a snap bean it excels most other varieties in tenderness and rich buttery flavor, while as a shell bean for winter use, it has few or no superiors. It is a very prolific yielder. Seeds are white, mottled brown and purple. Pkt. 10c; ¼ lb. 18c; lb. 50c; 3 lbs. \$1.40, postpaid; 10 lbs. \$4.25, not prepaid.

WARDWELL'S KIDNEY WAX. An extra early prolific wax bean. Hardy and productive. Pods flat, of a delicate waxy yellow and very brittle. Seed white, mottled brown around the eye. A favorite with market gardeners and one of the best kinds for a main crop and field planting. Pkt. 10c; ¼ lb. 20c; lb. 55c; 3 lbs. \$1.50, postpaid; 10 lbs. \$4.50; 25 lbs. \$11.00, not prepaid.

DAVIS WHITE KIDNEY WAX. One of the leading wax Beans and immensely productive, bearing many clusters of handsome pods. The pods are straight and clear waxy-white, 5 to 6 inches long. In quality they are tender, crisp and of good flavor. One of the best wax beans for canning purposes as it does not discolor. Pkt. 10c; ¼ lb. 20c; lb. 60c; 3 lbs. \$1.65, postpaid; 10 lbs. \$5.00, not prepaid.

BEANS.—(Continued.) BUSH LIMA BEANS.

Select land especially warm, rich and well supplied with vegetable fiber or humus. Plant as soon as the soil has become warm in the spring. Make rows 2 feet apart and give to each plant 10 inches space in the row.

HENDERSON'S BUSH LIMA. This is a dwarf form and the earliest of the Limas. It grows about 18 inches high and produces immense crops of delicious beans. Pkt. 5c; $\frac{1}{4}$ lb. 10c; lb. 40c; 3 lbs. \$1.10 postpaid; 10 lbs. \$3.25; 25 lbs. \$6, not prepaid

BURPEE'S BUSH LIMA. It grows vigorously to a height of 18 to 20 inches, yielding from 50 to 100 pods, similar to those grown on the large Lima Pole Bean. Pkt. 5c; $\frac{1}{4}$ lb. 10c; lb. 40c; 3 lbs. \$1.10 postpaid; 10 lbs. \$3.25; 25 lbs. \$6.00, not prepaid

DREER'S BUSH LIMA. Very prolific, single plants often producing from 150 to 200 pods, each pod holding 2 to 5 beans of excellent flavor. Does well in a dry season and is well adapted for our Western climate. Pkt. 5c; $\frac{1}{4}$ lb. 10c; lb. 40c; 3 lbs. \$1.10 postpaid; 10 lbs. \$3.25; 25 lbs. \$6.00, not prepaid.

POLE OR RUNNER BEANS.

Set poles 4 feet apart each way, and plant 4 to 6 beans about an inch deep around each pole. Thin out to three plants to a pole, if the soil is rich; pinch off the plants when they overrun the top of the poles. $1\frac{1}{2}$ lbs. will plant about 100 hills.

SONDEREGGER'S WHITE SEEDED GREEN POD. A continuous bearer and almost rust-proof. The round pods, borne in clusters, average 6 to 8 inches in length, are uniformly straight, stringless, of a dark green color, very tender and of a delicious flavor. It is earlier than Kentucky Wonder and covers a longer season of productiveness. The dry beans are pure white. Pkt. 10c; $\frac{1}{4}$ lb. 15c; lb. 55c; 3 lbs. \$1.40 postpaid Not prepaid, 10 lbs. \$4.00.

GOLDEN CLUSTER WAX. It bears profusely its long, golden pods in clusters of three to six, from the middle of July until cut by frost. Pods are 7 to 8 inches long and about an inch in width. They are fleshy, absolutely stringless and very brittle, while their flavor is delicious. Pkt. 10c; $\frac{1}{4}$ lb. 15c; lb. 45c; 3 lbs. \$1.25 postpaid; 10 lbs. \$4.00, not prepaid.

KENTUCKY WONDER WAX. Very similar to the well-known green-podded Kentucky Wonder or Old Homestead, except the pods, which are of a light waxy yellow color. They are very long, broad, tender, stringless and of a delicious flavor.

The plants make a quick, healthy growth and bear when only a few feet high till frost in the fall. Pkt. 5c; $\frac{1}{4}$ lb. 15c; lb. 45c; 3 lbs. \$1.25 postpaid; 10 lbs. \$4.00, not prepaid.

KENTUCKY WONDER OR OLD HOMESTEAD. Vine vigorous, very productive, bearing its pods in clusters; pods green, very long, often reaching nine or ten inches, nearly round and very crisp. Ten days earlier than any other green podded pole bean. Good market sort. Pkt. 5c; $\frac{1}{4}$ lb. 10c; lb. 40c; 3 lbs. \$1.10 postpaid; 10 lbs. \$2.80 not prepaid.

LAZY WIFE. As its name indicates, a handful of pods at a single grab. The pods are broad, thick, very fleshy and entirely stringless and possess a rich buttery flavor when cooked. Dry beans are white. Pkt. 5c; $\frac{1}{4}$ lb. 10c; lb. 40c; 3 lbs. \$1.10 postpaid; 10 lbs. \$2.80 not prepaid.

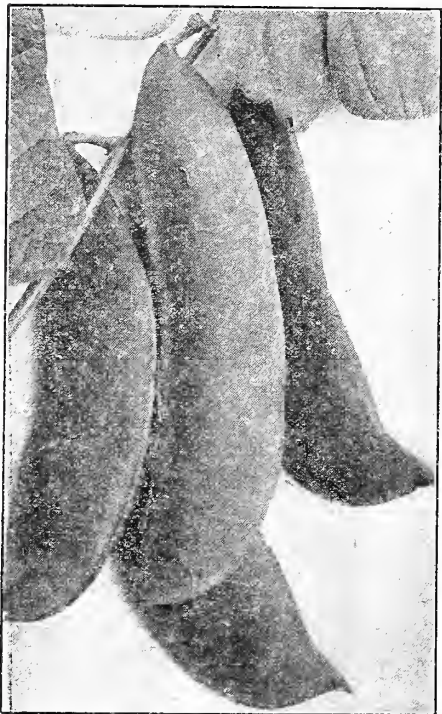
CUT SHORT OR CORN HILL. Popular variety for planting with corn. Pods short, round and tender; beans nearly round, white with reddish brown spots. Pkt. 5c; $\frac{1}{4}$ lb. 10c; lb. 40c; 3 lbs. \$1.10 postpaid; 10 lbs. \$2.80 not prepaid.

EXTRA EARLY JERSEY LIMA. This variety matures earlier than the Large White Lima. Pods contain three and four large beans each. Splendid quality. Good market sort. Pkt. 5c; $\frac{1}{4}$ lb. 10c; lb. 40c; 3 lbs. \$1.10 postpaid; 10 lbs. \$2.80 not prepaid.

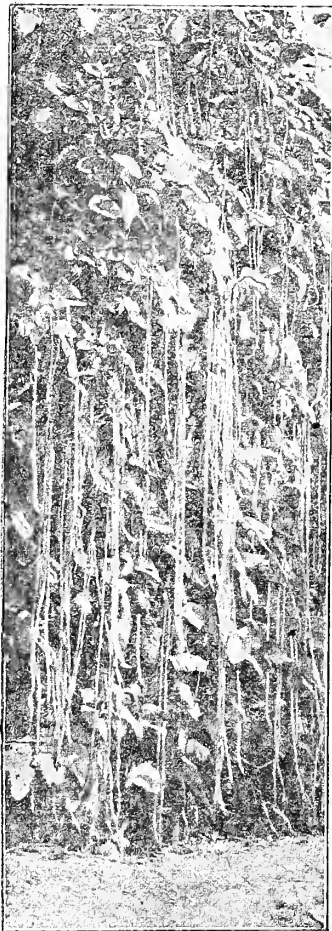
LARGE WHITE LIMA OR BUTTER. Productive, large, flat pods, rich and of finest flavor. The dry beans are white. Pkt. 5c; $\frac{1}{4}$ lb. 10c; lb. 40c; 3 lbs. \$1.10 postpaid; 10 lbs. \$2.80 not prepaid.

SCARLET RUNNER. Grown extensively for ornamental purposes, as flowers are of a most brilliant scarlet and borne in profusion. Beans are broad and flat, and of fine flavor when cooked. A hardy, vigorous grower. Pkt. 10c; $\frac{1}{4}$ lb. 15c; lb. 50c postpaid.

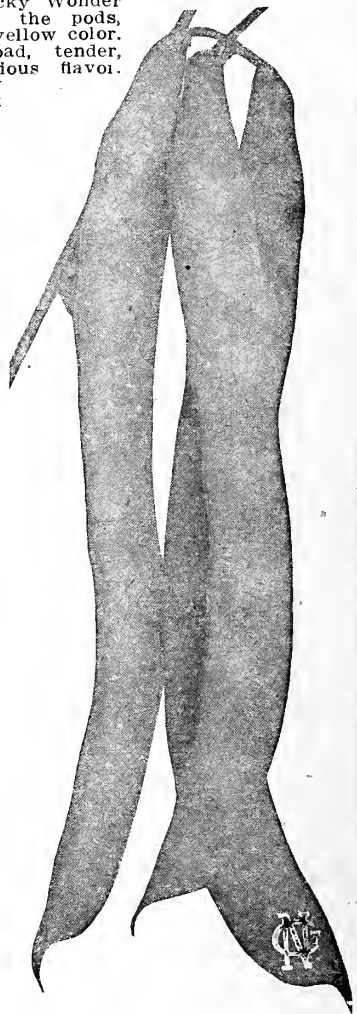
YARD LONG. A great curiosity, and of excellent quality. Pods usually 18 to 25 inches, but frequently 30 inches in length. An excellent table vegetable, being tender and of a rich asparagus flavor. Dry beans are kidney-shaped of dark brown color and vines keep on bearing for a long time. Pkt. 10c; 3 for 25c.



Henderson's Bush Lima.



Yard Long Bean.



Golden Cluster Wax

BEETS.

The soil for beets should be rather light and well enriched. Sow in drills one foot apart and one inch deep, as early as the ground can be worked, continue for a succession as late as the middle of July; when the plants are large enough thin out to stand six inches apart in rows. One ounce to 50 feet of drill; 5 to 6 lbs. to the acre in drills.

SONDEREGGER'S EARLY BLOOD TURNIP. This splendid beet is an improved strain of the old standard variety of Early Blood Turnip. It is nearly as early as the Extra Early Egyptian, and greatly surpasses that variety in quality and flavor. It is free from fibrous roots, being always smooth. The roots are of a dark red color, very solid and remain crisp and tender for a long time. Also one of the best varieties for early spring and summer use. Pkt. 10c; oz. 20c; ¼ lb. 50c; lb. \$1.90.

CROSBY'S EGYPTIAN. An improved strain of the Early Egyptian. The roots are of perfect shape when small, making a good beet for bunching. Uniform size and shape, small tops and tap root. Pkt. 5c; oz. 15c; ¼ lb. 40c; lb. \$1.70 postpaid.

CRIMSON GLOBE. An extra early variety of medium size and globe shaped. Entirely free from rootlets, very smooth and of a rich, deep red color. Flesh is of the finest quality, sweet and tender. Foliage is small and of a bronze purple color. Pkt. 10c; oz. 20c; ¼ lb. 50c; lb. \$1.70 postpaid.

LONG BLOOD RED. Matures rather late,

but is of fine quality and an excellent keeper; resists drought better than any other variety. Pkt. 5c; oz. 20c; ¼ lb. 45c; lb. \$1.75.

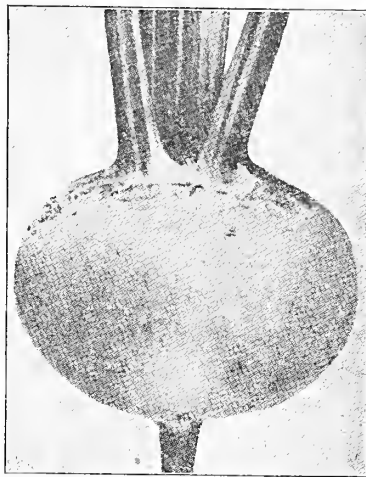
EARLY BLOOD TURNIP. Very early; excellent for family use. Pkt. 5c; oz. 20c. ¼ lb. 50c; lb. \$1.90.

EARLY ECLIPSE. Rapid grower, round, smooth and of dark red color. Pkt. 10c; oz. 25c; ¼ lb. 55c; lb. \$2.00 postpaid.

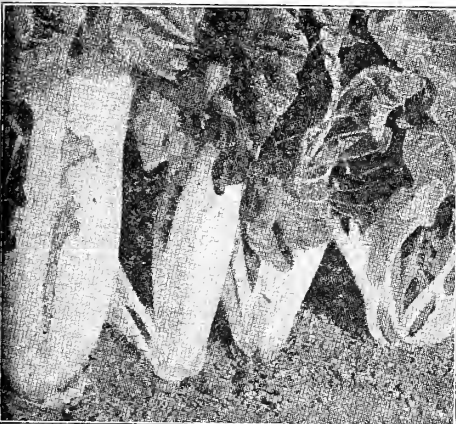
DEWING'S EARLY BLOOD TURNIP. Excellent for late planting. Pkt. 5c; oz. 20c; ¼ lb. 50c; lb. \$1.90 postpaid.

HALF LONG BLOOD. Roots thick and smooth; flesh rich, dark red, crisp, tender and sweet. Pkt. 5c; oz. 20c; ¼ lb. 50c; lb. \$1.90 postpaid.

SWISS CHARD OR SILVER BEET. Especially grown for greens. Of superior quality to spinach and ordinary beet greens. Pkt. 5c; oz. 20c; ¼ lb. 45c; lb. \$1.75.



Crosby's Egyptian.



Swiss Chard.

SUGAR BEETS.

Sugar Beets are grown on a large scale throughout the West. When planted for Beet Sugar factories 12 to 20 pounds of seed per acre is the usual quantity. For stock feeding the Sugar Beets are superior to the mangels. My seed is grown by the foremost growers in Europe, who have made the growing of Sugar Beets their specialty for many years. Write for prices on large orders.

KLEIN WANZLEBEN. This variety has proved to be a very valuable sort. It has a rather long slender root, very rich in sugar, and it has claimed to yield under average conditions about 16 tons to the acre, containing 12 to 13 per cent of sugar. Pkt. 5c; oz. 10c; ¼ lb. 30c; lb. \$1.10 postpaid; 5 lbs. \$4.75 not prep.

FRENCH RED TOP. A large yielder with an exceedingly rich flesh, making it the best kind for cattle feeding. Roots above medium size, long top shaped; flesh fine grained and very sweet. Pkt. 5c; oz. 10c; ¼ lb. 30c; lb. \$1.10 postpaid; 5 lbs. \$4.75 not prepaid.

LANE'S IMPERIAL. Grows to a large size, will yield almost as much in bulk as the best Mangels, and contains a large per cent of sugar. The roots are smooth, broad at the shoulder, and gradually taper to the base. Pkt. 5c; oz. 10c; ¼ lb. 30c; lb. \$1.10 postpaid; 5 lbs. \$4.75 not prepaid.

MANGEL WURZEL.

Mangels are very easily grown and are a sure crop. They are very valuable for feeding, and will keep your stock healthy and free from diseases. Sow in April or May in drills three feet apart and thin out to 10 inches in the row. 5 to 6 lbs. of seed per acre.

DANISH SLUDSTRUP. This is considered the best of all Mangels, having been awarded first class certificate. Its color is reddish yellow and very hardy, grows well above the ground and is easily harvested. It contains a larger per cent of nutriment than other sorts. Pkt. 5c; oz. 10c; ¼ lb. 25c; lb. 95c.

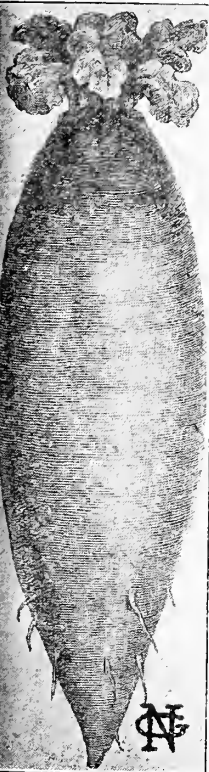
GIANT ECKENDORF. The most popular Mangel in Germany, and has also given excellent results in this country. The roots are very large, of smooth, cylindrical shape, and weigh from 15 to 25 lbs. each. The flesh is firm and solid, of white color and its highly nutritive value makes it the best Mangel for feeding stock. Pkt. 5c. Crop failure; hope to be able to list this variety again next season.

GIANT HALF SUGAR. The roots of this new Mangel are more valuable than the best strain of sugar beets. They are not only of better quality, but will yield more than twice as much. The roots grow partly out of the ground, which makes digging very easy. Pkt. 5c; oz. 10c; ¼ lb. 35c; lb. \$1.20 postpaid; 5 lbs. by express not prepaid, \$4.75.

MAMMOTH LONG RED. Largest of all Mangels, valuable for stock. Pkt. 5c; oz. 10c; ¼ lb. 30c; lb. \$1.10 postpaid; 5 lbs. per express not prepaid, \$5.00.



Giant Half Sugar.
I find them best for all kinds of soil.



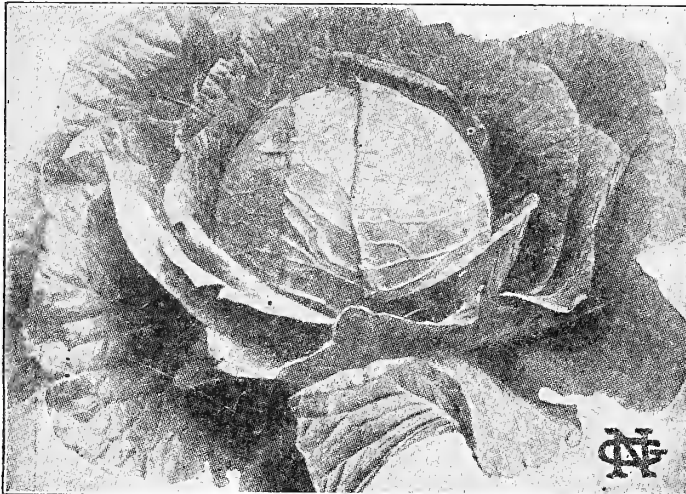
Lane's Imperial.

CABBAGE.

For early summer use sow in hotbed in February or March. Before transplanting to open ground the plants should be hardened off by exposing them gradually to the night air. For winter use, sow in the open ground in May or June. When five or six inches high transplant in rows two feet apart or way, and 12 to 18 inches the other, according to variety, burying to the first leaf, whatever the stem length. Frequently, drawing the earth up about the plants until they begin to head. Requires a rich, deep soil. One ounce will produce 3,000 plants.

Use "Slug Shot" to kill worms and insects. Dusting with tobacco dust, insect powder, etc., or splashing with soap suds, especially Whale Oil Soap solution, are good remedies for some of the insect pests attacking the plants.

EARLY COPENHAGEN MARKET (Novelty.) This is a very popular sort in Denmark, where it is considered the finest and largest round-headed early cabbage in cultivation. The plant have narrow light green leaves, which grow erect, taking up little room, and form their heads close to the ground. The latter have a very short internode stalk and notwithstanding their great average weight of 10 to 11 lbs., are one of the best all around sorts raised in my own garden.



Copenhagen Market.

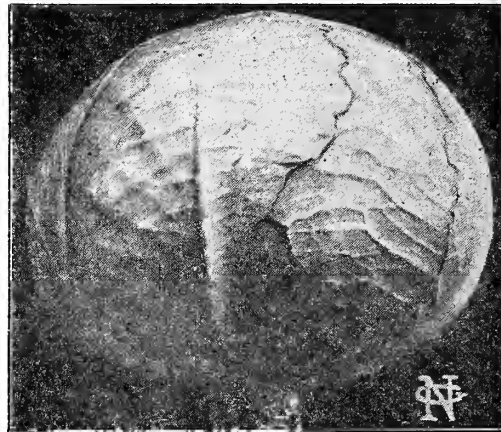
excellent quality for the table. It is a great advantage, especially for the market gardener, that the head keep remarkably well in storage and that they all turn in at the same time, as much labor is thus saved in cutting and the land can be cleared at once for another crop. Pkt. 20c; oz. \$1.00; ¼ lb. \$3.75, postpaid.

TRUE EARLY JERSEY WAKEFIELD. As a first early Cabbage for market and family use, I have found this variety to be the best and most satisfactory variety. The heads are solid and conical in shape, with blunt points and but few outer leaves. In my garden they begin to mature in June and last for several weeks. Pkt. 10c; oz. 40c; ¼ lb. \$1.50, postpaid.

SONDEREGGER'S SUMMER BALLHEAD. This Cabbage is equally as hard as the original type Danish Ball head, and its keeping qualities are not surpassed by any warm weather Cabbage. Color is light green, interior leaves bleached to the purest whiteness and with fine ribs in the leaves. It is to be regarded as a second early sort, coming to maturity long in advance of the parent type. Its earliness will make it available for all summer. Pkt. 20c; oz. \$1.00; ¼ lb. \$3.75.

EARLY WINNINGSTADT. A well known and very popular variety. Early, heads large, decidedly conical; solid and hard even in summer. This is a very sure heading variety, valuable not only for early use, but also for late planting to be used for winter cabbage. Pkt. 10c; oz. 35c; ¼ lb. \$1.25; lb. \$4.75 postpaid.

THE GLORY. Best early sure heading variety. It is a vigorous grower, forming large, compact heads, which are of a nice yellowish-green color. It has only a few outer leaves and can be planted closely. The heads are as round as a ball. An excellent market sort, combining all the good qualities one may expect of an early cabbage. Excellent for first early and late plantings. Pkt. 10c; oz. 35c; ¼ lb. \$1.30; lb. \$5.00 postpaid.



Sonderegger's Summer Ballhead has proven to be one of the best all around sorts raised in my own garden.

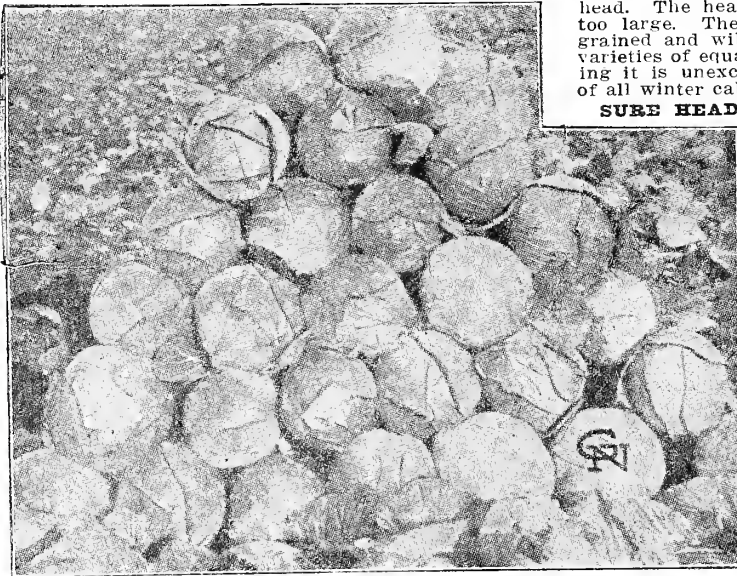
SONDEREGGER'S IMPROVED DANISH BALL HEAD. An improvement over the old Danish Ball head. The heads are of excellent market size—no too large. They are very hard, almost round, fine grained and will weigh one-fourth more than other varieties of equal size. For main crop and late planting it is unexcelled, being one of the best keepers of all winter cabbages. Pkt. 15c; oz. 75c; ¼ lb. \$2.50.

SURE HEAD.

A well known variety, producing very large, round heads, slightly flattened and is remarkable for its certainty to head. A vigorous grower and one of the best cabbages for late or main crop. Heads are remarkably uniform, very hard and exceedingly fine in texture weighing about 10 to 15 lbs. each. Of very fine flavor, a fine keeper and good shipper. Pkt. 10c; oz. 35c; ¼ lb. \$1.30.

DANISH BALLHEAD. Heads are of good marketable size, very hard, round, fine grained and solid. One of the best keepers of all winter cabbages and very desirable for main crop and late planting. Pkt. 10c; oz. 40c; ¼ lb. \$1.50.

PREMIUM LATE FLAT DUTCH. As a variety for winter market it has no superior. Heads are large, bluish green, round, solid, broad and flat on top; they open white and crisp, are tender and well flavored. It is a fall and winter variety and one of the very best to keep. Pkt. 10c; oz. 40c; ¼ lb. \$1.50; lb. \$5.50.



Surehead.

CABBAGE.—(Continued.)**SAVOY CABBAGE.**

Savoy Cabbages require the same culture as the common varieties. They have finely curled leaves and are of a superior flavor. Preferred by many to all other cabbages, especially for home use.

KING OF EARLIEST SAVOY. The earliest of all Savoy Cabbages. Forms medium sized, very solid heads of conical shape, with blunt point, leaves are finely crimped. Its flavor is like that of Brussels Sprouts. Pkt. 10c; oz. 35c; ¼ lb. \$1.15.

LARGE DRUMHEAD SAVOY. An excellent winter and spring cabbage, forming nice solid heads, with curly outer leaves. Plants are strong and vigorous. Pkt. 10c; oz. 35c; ¼ lb. \$1.15; lb. \$4.25, postpaid.

RED CABBAGE.

MAMMOTH RED ROCK. The largest and surest heading variety of the red cabbages. The plant is of vigorous growth and forms round, solid heads of deep red color. In quality and flavor is considered to surpass any green cabbage. Pkt. 15c; oz. 50c; ¼ lb. \$1.75; lb. \$7.00, postpaid.

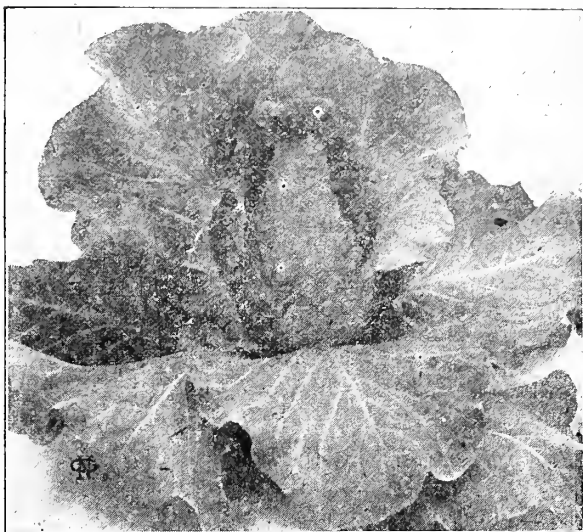
DANISH STONE HEAD. Very hardy, short stemmed, with exquisitely solid heads of dark red color. The outside leaves are somewhat crumpled at the edges, giving the head a fine appearance. There are but few outer leaves, therefore the plants may be set closer together in the rows. A splendid medium late variety. Quality is excellent. Pkt. 20c; oz. 70c.

CHINESE CABBAGE. CELERY CABBAGE.

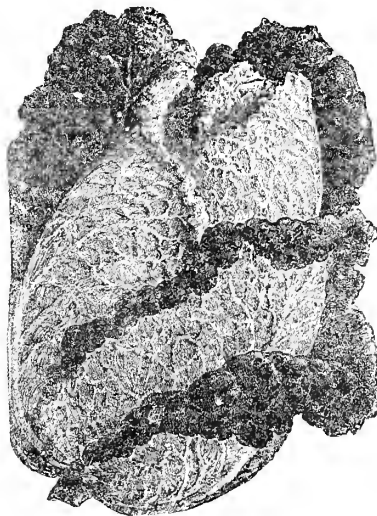
This delicious vegetable should be more generally used. It is more easily grown than the ordinary cabbage, and when boiled with meat it is much better than either cabbage or turnips. As a salad or cold slaw it is excellent. Every home garden should have a plot of Chinese Cabbage. From seed sown the first week in July and plants transplanted about three weeks later, I had excellent success with this cabbage. Some of the heads were 18 inches in circumference and 12 to 15 inches long. They were solid and of fine quality. Seed should be sown in July and plants transplanted. If sown too early the heads will go to seed. A few light frosts do not injure Chinese Cabbage. Pkt. 10c; oz. 35c; ¼ lb. \$1.25 postpaid.

CURLED CHERVIL.

The leaves are used in flavoring soups and salads and for garnishing. More beautiful than parsley. Of dwarf growth, with finely curled leaves. One ounce will sow 100 feet of drill. Cultivate same as parsley. Pkt. 5c; oz. 15c; ¼ lb. 50c, postpaid.



Early Jersey Wakefield. (Page 80.)



King of Earliest Savoy.

CHICORY.

The leaves are used as salad; roots are used to mix with or be substituted for coffee. Cultivate same as parsnips. Pkt. 5c; oz. 15c; ¼ lb. 50c; lb. \$1.50.

CHUFAS.

EARTH ALMOND. Small ground nut greatly liked by children. In sweetness and flavor they resemble cocoonut or almond and are nice to put on the table with candies, as an after-dinner relish. Pkt. 5c; oz. 15c; ¼ lb. 50c.

COLLARDS.

GEORGIA MAMMOTH. A form of cabbage extensively grown in the South for Greens. They form large open heads. It is improved by slight freezing. Give the same cultivation as cabbage. Pkt. 5c; oz. 15c; ¼ lb. 50c.

CORN SALAD OR FETTICUS.

This small salad is used during the winter and spring months as a substitute for lettuce and is cooked and used like spinach. Sow seed in shallow drills one foot apart during August or September or early in the spring. Pkt. 5c; oz. 15c; ¼ lb. 50c; lb. \$1.50, postpaid.

CRESS OR PEPPER GRASS.

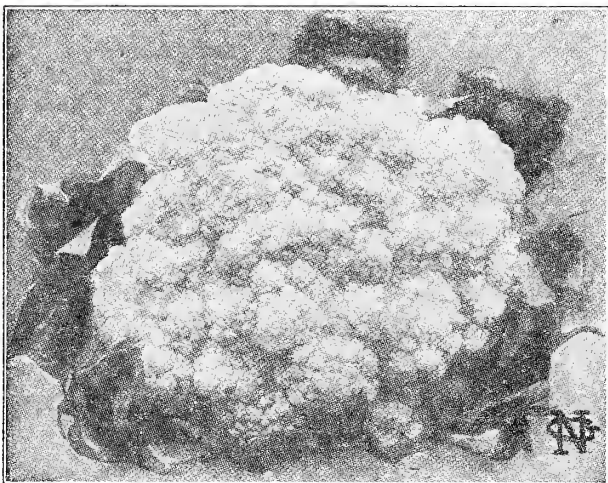
Cress should be sown in a sheltered spot in shallow drills. Sow seed thickly. Ready for use in a month. For continued use sow every few weeks.

CURLED GARDEN. Much used with lettuce, to the flavor of which its warm, pungent taste makes a most agreeable addition. Pkt. 5c; oz. 15c; ¼ lb. 50c.

TRUE WATER CRESS. The pleasant and peculiar flavor of the water cress causes it to be highly esteemed for table use. Will grow along margins of streams, creeks and ponds. Pkt. 15c; oz. 60c; ¼ lb. \$2.25 postpaid.



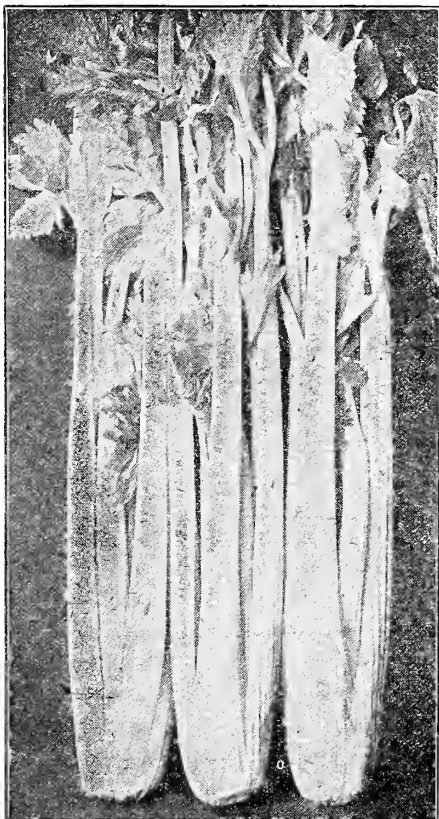
Chinese or Celery Cabbage grown in my garden. I prefer it to cabbage.



Early Snowball.

EARLY SNOWBALL. A well known variety, producing very early, fine grained, smooth heads, which are compact and even in size. The plants are of dwarf habit. On account of the short outer leaves, the plants can be set out as close as 18 to 20 inches apart each way, a point of great value to market gardeners. Equally good for forcing or planting in open ground for main crop. I obtain this seed from the most reliable growers in Denmark. Pkt. 15c; $\frac{1}{4}$ oz. 65c; oz. \$2.50; $\frac{1}{4}$ lb. \$8.75.

NEW DANISH GIANT. The dry weather Cauliflower. Originated in Denmark. A little later than Snowball, but in my garden has proved more satisfactory than any of the early sorts, as it withstood the dry

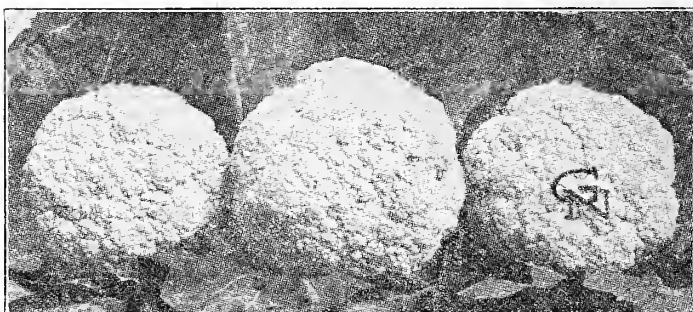
Sonderegger's Select Self-Blanching.
Easiest for the amateur to grow.

CAULIFLOWER.

Sow the seed in a hotbed in January or February, and when the plants are large enough transplant three inches apart in boxes until time to plant out. If hardened off, they are seldom injured by planting out as early as the ground can be properly prepared, $2\frac{1}{2}$ feet apart each way. Keep well hoed, watering freely in dry weather, and especially when they begin to head. The late varieties mature in autumn and are sown and managed similar to winter cabbage. Any soil that grows cabbage will grow cauliflower, but rich, moist soil is preferred. A most delicious vegetable.

SONDEREGGER'S IMPROVED EARLIEST DWARF. In this Cauliflower you will find a remarkably sure and early heading variety. It is of dwarf habit, with short outside leaves and is similar in all respects to Early Snowball. It produces smoothly rounded heads which are of uniformly even size, fine grained compact and pure white. If planted in rich soil at proper season, heads 8 to 10 inches in diameter can be marketed in July. Pkt. 15c $\frac{1}{4}$ oz. 75c; oz. \$2.75.

EARLIEST DWARF ERFURT. Best variety for forcing and open ground. Dwarf in habit heads smoothly rounded, fine grained and pure white. Pkt. 10c; $\frac{1}{4}$ oz. 60c; oz. \$2.25.



Sonderegger's Improved Earliest Dwarf.

and hot weather of last summer much better and formed large, pure white and solid heads. It also has large leaves which help to protect the head. For dry climates I would always recommend planting Danish Giant Cauliflower. Pkt. 15c; $\frac{1}{4}$ oz. 75c. $\frac{1}{2}$ oz. \$1.40.

CELERY.

One ounce will make about 2,500 plants. The seed should be started in shallow boxes or hotbed. Sow thickly and cover lightly; keep well watered and transplant when 2 inches high in rows 3 feet apart and 6 inches in the row. The essential to success in Celery growing are rich soil, and plenty of water.

SONDEREGGER'S SELECT SELF-BLANCHING. This is the best sort for early market, and for home garden I advise planting nothing else, as in my own garden it has proved much more satisfactory than all others. Plants are of medium size, compact and stocky with yellowish green foliage. As they mature the inner leaves turn to a beautiful golden yellow, so that blanching is very easily done. Of handsome color, crisp, tender, free from stringiness and of fine nutty flavor. Pkt. 15c; $\frac{1}{2}$ oz. 80c; oz. \$1.50.

GOLDEN SELF-BLANCHING. The leading early market sort. Stalks are broader and heavier than those of White Plume and much superior in quality. The ribs are perfectly solid, crisp, brittle and of delicious flavor, surpassed by no other variety. Pkt. 10c; $\frac{1}{4}$ -oz. 30c; oz. \$1.10.

GIANT PASCAL. This is the best keeper of all late sorts. Very solid and crisp. This variety is unsurpassed for market gardeners. Pkt. 10c; oz. 35c.

FLAVORING CELERY. Old seed, used for flavoring. Oz. 5c; $\frac{1}{4}$ lb. 15c; lb. 40c postpaid.

(Celeriac or Turnip Rooted Celery on next page.)

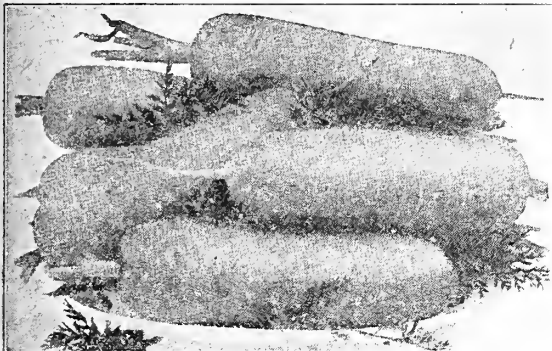
Sonderegger's Best Celeriac
(See Page 83.)

CELERIAC.

This popular German vegetable is worthy of more extended use. Keeps well in winter. It is much used for salads, and boiled like parsnips or turnips, it is a great favorite with lovers of celery.

CELERIAC OR TURNIP ROOTED CELERY. Grown exclusively for its very tender marrow-like roots. The roots are cooked and sliced, used with vinegar they make excellent salad. Pkt. 10c; oz. 40c; ¼ lb. \$1.40 postpaid.

SONDEREGGER'S BEST. A new Celeriac, which according to experiments has proven to be the best of all Celeriacs. The beautiful white roots are large, very smooth, of fine flavor and best quality. They will make delicious salads and are also fine for seasoning meats and flavoring soups. I feel assured that any one who tries this new Celeriac is bound to be perfectly satisfied with same. Pkt. 20c; oz. 60c.



Early Chantenay.

CARROTS.

The Carrot is one of the most nutritious and healthful of roots, and should be more generally used for the table as well as for stock feeding purposes. Will grow in any soil; sandy loam is best. Sow as early as the ground can be worked, in rows 15 to 18 inches apart, covering about ½ inch. For field culture sow in drills 18 to 24 inches apart. One ounce will sow 100 feet of drill, 3 to 4 pounds per acre.

SONDEREGGER'S NEW SCARLET. This new carrot I find to be of the very best table quality and of good size and shape. The leaves are fine and the roots almost cylindrical, very smooth and grow about 6 inches long. The flesh is a beautiful red, very sweet, tender and almost entirely without a core. It is also a heavy yielder and a good keeper for winter use, therefore I can recommend it to everybody. Can also be used to good advantage for stock. As the seed of this new variety is scarce, we can offer them only in packets and ounces this year. Pkt. 10c; oz. 30c.

SONDEREGGER'S IMPROVED HALF LONG. A splendid variety of half long carrots. Very smooth and handsome, of dark orange color, broad shouldered, stump rooted, cylindrical in shape and very productive. Under special care it has yielded from 20 to 25 tons per acre. Cooking qualities superb; in fact no carrot excels it in essential qualities, of uniform size, smoothness, sweetness, flavor and deep color. Pkt. 10c; oz. 25c; ¼ lb. 60c postpaid.

OXHEART OR GUERANDE. Roots are very thick, five inches long and nearly as broad, and very blunt at the lower end. It grows rapidly and the roots often weigh a pound or over. Excellent quality. Pkt. 5c; oz. 20c; ¼ lb. 45c; lb. \$1.80 postpaid.

EARLY SCARLET HORN. A very popular extra early variety. Roots of medium size. Color orange scarlet; fine grained and of best flavor. Pkt. 5c; oz. 20c; ¼ lb. 50c; lb. \$1.90.

DANVERS HALF LONG. Of rich orange color, smooth and the flesh of fine texture with little core, stump rooted. It is a first class carrot for all soils and valuable to the market gardener. Pkt. 10c; oz. 25c; ¼ lb. 60c; lb. \$2.25 postpaid.

EARLY CHANTENAY. Very early, smooth, and of finest quality. Grows five to six inches long. I consider this the best table carrot. Very productive even under unfavorable conditions. Pkt. 5c; oz. 20c; ¼ lb. 50c; lb. \$1.90 postpaid.

LONG ORANGE. Grows to a large size, is of a rich orange color and fine quality. Very desirable for table use and stock. Pkt. 5c; oz. 20c; ¼ lb. 50c; lb. \$1.90 postpaid.

STOCK CARROTS.

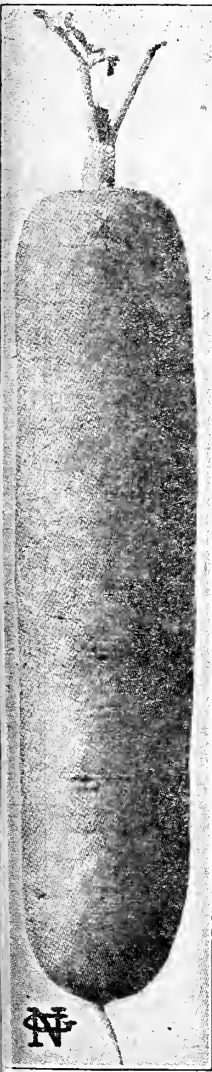
Culture same as for table carrots.

VICTORIA. A very large and rich stock carrot. It is a heavy cropper on all soils. Roots are very symmetrical, of excellent quality and orange yellow color. This variety is also grown quite extensively for rabbit feed. Pkt. 5c; oz. 15c; ¼ lb. 40c; lb. \$1.50 postpaid. Write for prices on larger quantities.

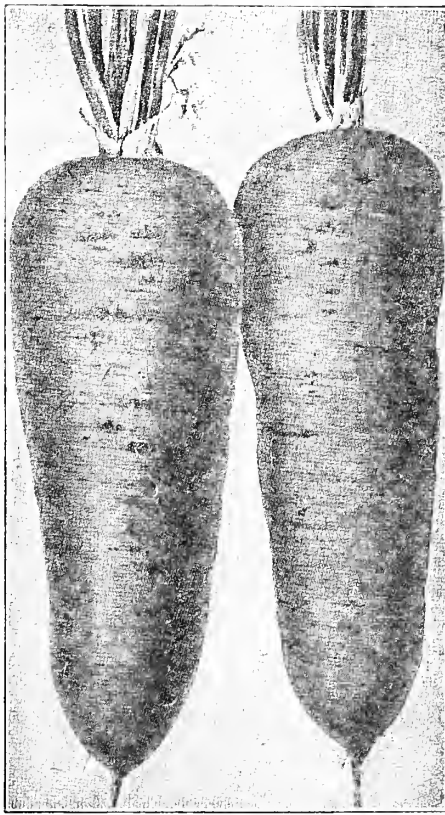
LARGE WHITE BELGIAN. Root pure white, green above ground. It will grow to a very large size, and is easily gathered. Flesh rather coarse. Is raised extensively for stock. Pkt. 5c; oz. 15c; ¼ lb. 40c; lb. \$1.50 postp. Write for prices on larger quantities.



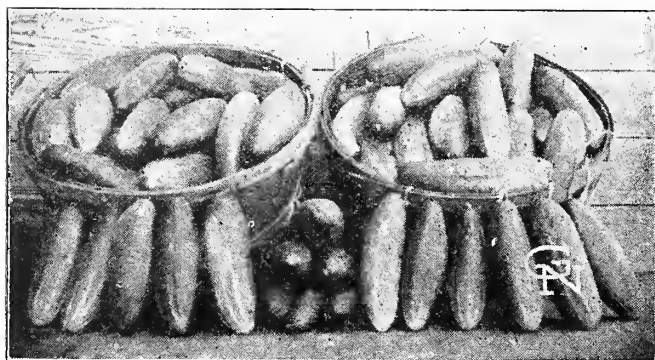
Early Scarlet Horn.



Sonderegger's New Scarlet



Sonderegger's Improved Half Long.



Davis Perfect Cucumber, grown by Mr. Ernest C. Eberhart, Market Gardener, Superior, Nebr.

CUCUMBER.

One ounce will plant about 50 hills, two to three pounds to the acre. Succeeds best in a rich, loamy soil. For first early, sow in hotbeds, six weeks before the plants can be set out in the open ground. For general crop, plant in May, in open ground, about 10 seeds to a hill, 4 feet apart each way. For cucumber bugs I would advise using Slug Shot or Bug Death very freely in the morning, when the dew is on, or right after a rain.

EARLY FORTUNE. An attractive new variety of recent introduction, which is becoming very popular. It is well liked by market gardeners and shippers because of its deep green color, which it retains much longer than most other varieties, and therefore remains in slicing condition longer, too. In size it is larger and slimmer than White Spine, smooth and of very firm texture. Flesh is white, crisp and brittle, making an excellent slicing sort. Pkt. 10c; oz. 25c; ¼ lb. 75c; lb. \$1.75, postpaid.

CHICAGO OR WESTERFIELD PICKLING. Selected stock. Fine for market. It is the best cucumber for pickles, and is used by a vast majority of the pickle factories. The fruit is of medium length, pointed at both ends, with large and prominent spines. The color is a beautiful deep green. Pkt. 5c; oz. 15c; ¼ lb. 45c; lb. \$1.50 postpaid.

NEW EVERBEARING. It is of small size, very early, enormously productive, and valuable as a green pickler. Continues to produce fruit until killed by frost, whether the ripe cucumbers are picked off or not. The fruit is perfect in shape, of a fine green color. Pkt. 10c; oz. 15c; ¼ lb. 45c; lb. \$1.50.

EARLY CLUSTER. Every spring I have a number of calls for Early Cluster Cucumber, and as it is my aim to always please my customers, I decided to list this old and popular variety this spring. The vines are hardy and very vigorous, bearing fruits in clusters of two and three. The fruits are short, thick, dark green, crisp and tender. Fine for pickling. Pkt. 5c; oz. 15c; ¼ lb. 40c; lb. \$1.50 postpaid.

IMPROVED LONG GREEN. A standard main crop variety, and one that always sells well in all markets. I can personally recommend them for the home garden, as they make delicious pickles when small and are also one of the best for slicing, being tender, crisp and of fine flavor. The fruits grow about 9 inches long, are dark green in color and of excellent quality. Pkt. 5c; oz. 15c; ¼ lb. 40c; lb. \$1.10 postpaid.

JAPANESE CLIMBING. While all cucumbers are running vines, yet this variety is much more creeping or climbing in its habit, so much so that it quickly climbs on poles and trellises. This makes it very desirable for small gardens, as it takes up less room and the fruits keep much cleaner as they are kept up from the ground. The quality is splendid for pickling as well as for slicing for salads. The fruits are of good size and of fine flavor. Pkt. 5c; oz. 15c; ¼ lb. 45c; lb. \$1.25 postpaid.

DAVIS PERFECT. An excellent cucumber for both outdoor use and forcing. The fruits grow 11 to 12 inches long on an average; slim, slightly pointed, a dark glossy green color, which they keep until ripe; then turning white. In quality it is very tender, brittle and of fine flavor. Pkt. 10c; oz. 20c; ¼ lb. 45c; lb. \$1.25 postpaid.

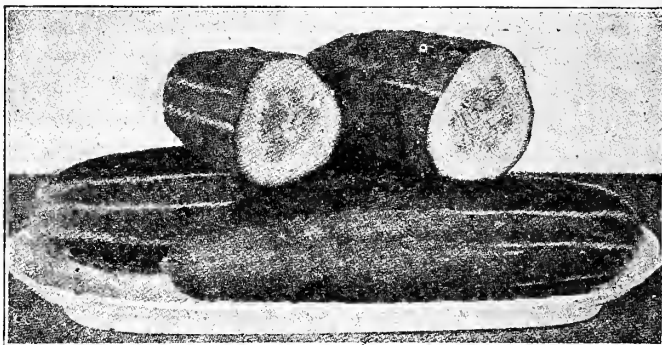
IMPROVED EARLY LONG WHITE SPINE. Selected stock. The most popular variety with market gardeners. One of the best for the table. Flesh tender and crisp. Fruit uniform in size, straight and light green, with few spines. Very prolific. Pkt. 5c; oz. 15c; ¼ lb. 40c; lb. \$1.30 postpaid.

EARLY FRAME OR SHORT GREEN. Excellent for table use and pickling. Fruit is straight, handsome smaller at each end, bright green, flesh crisp and tender. Pkt. 5c; oz. 15c; ¼ lb. 40c; lb. \$1.40 postpaid.

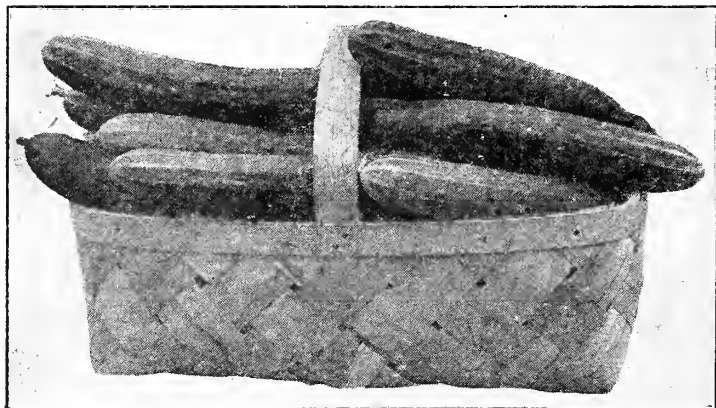
GHERKIN OR BURR. Small, oval, green fruits about two to three inches long. They are covered with soft, fleshy spines. This variety is used exclusively for pickling. Pkt. 10c; oz. 20c; ¼ lb. 75c postpaid.

I used your seeds two years ago and am glad to order more.

Valley Junction, Ia., Apr. 25, '17.
Mrs. C. K. Giles.



Improved Early Long White Spine.



Improved Long Green.

GARDEN LEMON.

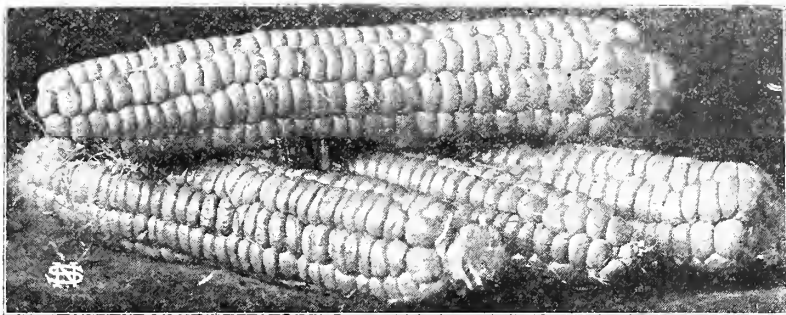
This fruit is round in shape and is somewhat smaller than Vine Peach, which it resembles in growth, but has thinner flesh and is decidedly more acid, thus dispensing with the sliced lemons which are so important in putting up the Vine Peach. Directions for cooking with each packet. Pkt. 10c; oz. 25c; ¼ lb. 75c.

VINE PEACH.

The vine on which they are borne is somewhat similar to the muskmelon vine, and requires the same cultivation. The fruit is about the size of a large peach, oval shaped, and of bright orange color, somewhat russeted. For sweet pickles, pies or preserving they are superb. Directions for cooking this fruit are given on every packet of seed. Pkt. 10c; oz. 25c; ¼ lb. 65c postpaid.

SWEET CORN.

One pound will plant about 150 hills. 15 pounds will plant one acre in hills. Sweet corn being liable to rot in cold or wet ground, should not be planted before May, or until the ground has become warm. For a succession, plant every two weeks in rich ground, in hills 3 feet apart each way, covering about $\frac{1}{2}$ inch and thin out to three plants to the hill. Extra early varieties can be planted closer. Give frequent, thorough but shallow cultivation until tassels appear. My price for pkt., oz., $\frac{1}{4}$ lb., lb. and 5 lbs. is postpaid, larger quantities to go at purchaser's expense.



Sonderegger's Golden. Photograph was taken from corn raised in my garden.

SONDEREGGER'S GOLDEN. A new variety of yellow Sweet Corn which was found in a field of early white corn. I have grown it for four years with the best of success. The stalks grow 4 to 5 feet high, each stalk producing one or two well developed ears 7 to 9 inches long, filled with beautiful golden yellow kernels. Matures about the same time as Early Minnesota. This corn contains about 5 per cent more sugar and 5 per cent less starch than the early white varieties, which makes it much better for table use. The originator says: "It is the sweetest Sweet Corn in the world." I would advise all of my customers who are fond of a good sweet Sweet Corn to try at least a packet. Once used, you will plant no other. Pkt. 10c; $\frac{1}{4}$ lb. 15c; lb. 50c; 5 lbs. \$2.00, postpaid.

SONDEREGGER'S IMPROVED EARLY EVERGREEN. In this new sort I believe a truly valuable variety of Sweet Corn has been found. It resembles Stowell's Evergreen very much, only is ready for use much earlier, and remains in condition fit for use longer. The ears grow to a good size, about 7 or 8 inches long, are well filled and kernels are of a very sweet and tender flavor. Extra fine sort for market gardeners. Pkt. 5c; $\frac{1}{4}$ lb. 12c; lb. 35c; 5 lbs. \$1.45, postpaid; 10 lbs. \$1.60, not prepaid.

WHITE MEXICAN. The White Mexican possesses all the good qualities of the old Black Mexican—just as sweet and with just as fine a flavor—without the objectionable color. It matures early, is a good yielder and remains in edible condition perhaps longer than any other early variety. Pkt. 5c; $\frac{1}{4}$ lb. 15c; lb. 50c; 5 lbs. \$2.00, postpaid; 10 lbs. \$2.50, not prepaid.

SONDEREGGER'S EARLIEST. Crop failure. I hope to list this variety again next season.

PEEP OF DAY. Crop failure. Cannot supply this year.

GOLDEN BANTAM. Very early, one of the sweetest and richest corns ever known. Can be planted thickly and as late as July 15th. Pkt. 5c; $\frac{1}{4}$ lb. 15c; lb. 40c; 5 lbs. \$1.50, postpaid; 10 lbs. \$2.00; 25 lbs. \$4.25, not prepaid.

ADAMS EXTRA EARLY. One of the earliest. Not a sugar corn, but a decided acquisition, ripening so very early in the season. Pkt. 5c; $\frac{1}{4}$ lb. 15c; lb. 30c; 5 lbs. \$1.25, postpaid; 10 lbs. \$1.60; 25 lbs. \$3.50, not prepaid.

MAMMOTH WHITE CORY. Ears are twelve-rowed and very much larger than the old Cory; white-cobbed, covered with large, white grains. Pkt. 5c; $\frac{1}{4}$ lb. 12c; lb. 35c; 5 lbs. \$1.10, postpaid; 10 lbs. \$1.30; 25 lbs. \$2.65, not prepaid.

EARLY MINNESOTA. Stalks 4 to 5 feet high, bearing one or two ears, long and 8-rowed, kernels very broad, sweet and tender. Pkt. 5c; $\frac{1}{4}$ lb. 12c; lb. 35c; 5 lbs. \$1.25, postpaid; 10 lbs. \$1.30; 25 lbs. \$2.65, not prepaid.

COUNTRY GENTLEMAN. Extremely productive; stalks average three, ears and sometimes five. Kernels small, irregular, very deep and pure white, of very sweet and delicious flavor. Ears average 9 inches long. Pkt. 5c; $\frac{1}{4}$ lb. 12c; lb. 35c; 5 lbs. \$1.45, postpaid; 10 lbs. \$1.60; 25 lbs. \$3.75, not prepaid.

STOWELL'S EVERGREEN. The standard variety. Very productive; ears large; grains deep, tender, sugary, and remains long in edible condition. Pkt. 5c; $\frac{1}{4}$ lb. 15c; lb. 35c; 5 lbs. \$1.30, postpaid; 10 lbs. \$1.65; 25 lbs. \$4.00 not prep.

MAMMOTH SUGAR. Produces the largest ears of any sort; excellent quality, sweet, tender and delicious. Ears average 10 to 12 inches long. Ripens late. Pkt. 5c; $\frac{1}{4}$ lb. 12c; lb. 30c; 5 lbs. \$1.25, postpaid; 10 lbs. \$1.70; 25 lbs. \$3.75, not prepaid.

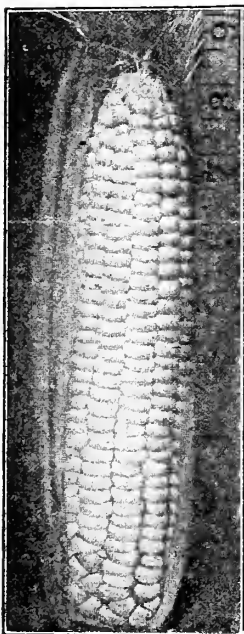
POP CORN.

Five pounds will plant an acre.

BABY GOLDEN. Was imported from Japan; it is the smallest and best of all Pop Corn. I gave this corn a thorough test in my fields the past season and found it to be much better than expected. It stools or suckers very freely, one kernel often producing 6 to 12 stalks. The suckers, as well as the main stalks grow 4 to 5 feet high, and each stalk producing 3 to 6 small, well developed ears. The ears average 2 to 3 inches long and are filled with beautiful golden kernels, 300 to 400 per ear. The corn when popped is snowy white and the kernels are free from hard centers, as found in all other varieties. Pkt. 10c; $\frac{1}{4}$ lb. 15c; lb. 40c; 3 lbs. \$1.00, postpaid.

MONARCH WHITE RICE. Bears from 3 to 6 ears per stalk, and produces from 1,500 to 2,000 lbs. per acre. Pkt. 5c; $\frac{1}{4}$ lb. 10c; lb. 25c; 5 lbs. \$1.20, postpaid; 10 lbs. \$1.35, not prepaid.

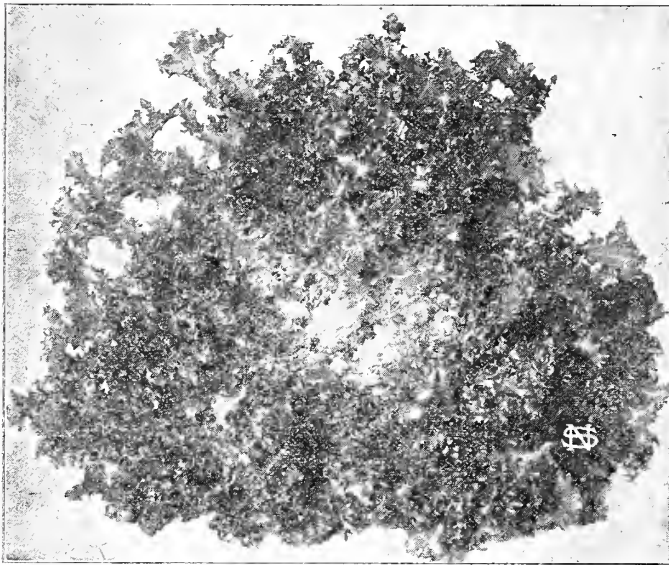
QUEEN'S GOLDEN. Color a peculiar lustrous golden yellow, pops to a rich cream color, very prolific. Pkt. 5c; $\frac{1}{4}$ lb. 10c; lb. 25c; 5 lbs. \$1.20, postpaid; 10 lbs. \$1.35, not prepaid.



Mammoth White Cory.



Baby Golden Pop Corn.
This stalk was grown in my garden.



Green Curled Endive.

CHIVES.

Perfectly hardy little perennial members of the onion tribe, and are grown exclusively for their tops, which are used wherever the flavor of onions is required. The tops appear early in the spring, and can be shorn throughout the season as needed. Pkt. 25c.

EGG PLANT.

NEW YORK IMPROVED LARGE PURPLE. This variety has about superseded all others, both for market and home use. Pkt. 15c; $\frac{1}{2}$ oz. 50c; oz. 90c.

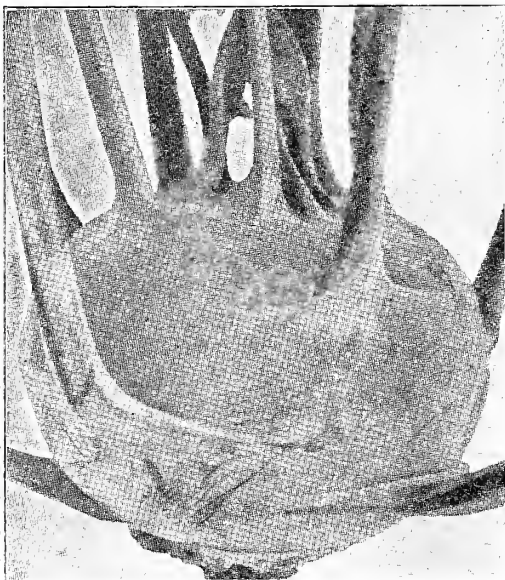
ENDIVE.

Ready for the table in 45 to 50 days from seed. One oz. to 100 feet of drill. One of the best autumn and winter salads. Sow from June until August one-half inch deep in drills 14 inches apart and thin out to 1 foot apart in rows. When nearly full grown bleach by tying the tips of the leaves.

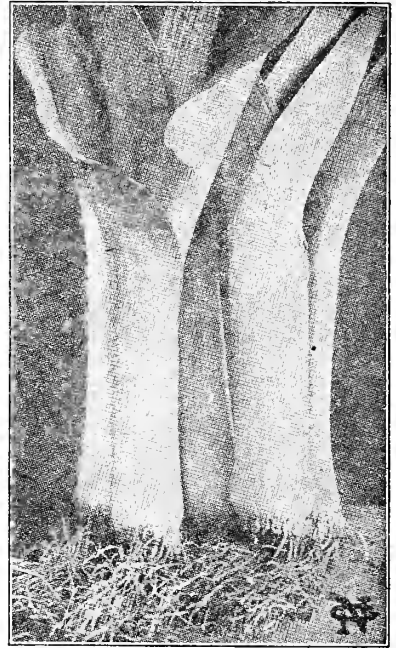
GREEN CURLED. Large and well adapted to this soil and climate. Pkt. 5c; oz. 15c; $\frac{1}{4}$ lb. 45c postpaid.

BROAD LEAVED BATAVIAN. A large summer variety, productive. Pkt. 5c; oz. 15c; $\frac{1}{4}$ lb. 40c.

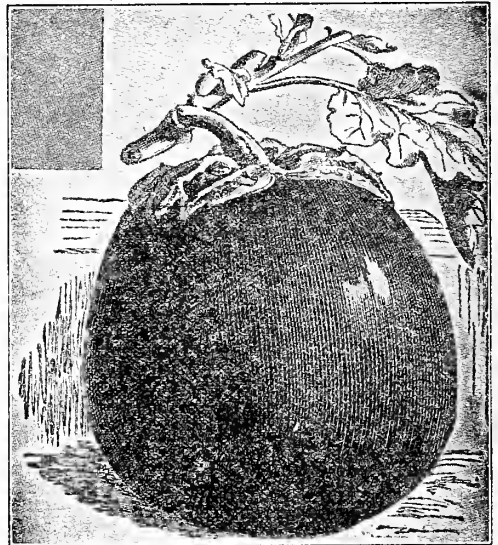
GIANT FRINGED WINTER. Best for late planting. Leaves large, very curly, of fine flavor. Pkt. 5c; oz. 15c; $\frac{1}{4}$ lb. 50c.



White Vienna Kohlrabi.



Large London Leek.



Egg Plant, New York Improved.

KOHLRABI.

Cultivate like cabbage and cook like turnips. Its quality and taste far superior to turnips. One ounce will produce 3,000 plants and cover 200 feet of drill.

EARLY WHITE VIENNA. Finest market sort. Flesh white, tender and of delicate flavor. Better tasting than turnips. Pkt. 10c; oz. 35c postpaid.

EARLY PURPLE VIENNA. Bluish purple; similar to above except in color. Flesh white. Pkt. 5c; oz. 30c; $\frac{1}{4}$ lb. \$1.10.

LEEK.

A species of onion highly esteemed for flavoring soups. Sow in middle of spring; when plants are 3 to 4 inches high, transplant.

LARGE LONDON. Well known variety. A large strong plant with broad leaves of mild, pleasant flavor. Hardy. Pkt. 10c.

LENTILS.

Used in oriental countries as principal article of diet. Splendid for soups. Cultivate same as peas. Large pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 25c; lb. 85c postpaid.

LETTUCE.

Lettuce seed should be covered very shallow to secure germination. For early use sow in September and protect through the winter in cold frames same as cabbage, or sow in hotbed in March, and transplant to the open ground as soon as it can be worked. For late supply sow in the open ground as soon as the season will permit in rows one foot apart; thin out plants 3 to 10 inches in rows. If sown every two or three weeks to the middle of August it may be had in perfection the entire season. One ounce will sow 100 feet in drill, 2 to 4 pounds to the acre.

SONDEREGGER'S EXTRA EARLY HEAD.

This new lettuce is sure to become popular both in home or market gardens. Heads are of medium size, solid, round; leaves of light green color, outer leaves slightly tinged with brown and inner leaves of a bright yellow. The flavor is very rich, buttery, crisp and tender. It is hardy as well as very early, and its fine, large heads are ready for use in advance of any other head lettuce. Pkt. 10c; oz. 20c; $\frac{1}{4}$ lb. 45c; lb. \$1.50 postpaid.



May King.

BLACK SEEDED SIMPSON. This large leaved lettuce is by far the most popular of all sorts among market gardeners. It forms large, loose heads of light green color; leaves quite thin; very tender and crisp, of fine quality. One of the finest for use under glass. Pkt. 5c; oz. 15c; $\frac{1}{4}$ lb. 40c; lb. \$1.20 postpaid.

IMPROVED HANSON. A head lettuce that ought to be planted more than it is. In my garden it gave the best of results last summer in forming large, firm heads, which are deliciously sweet, crisp and tender. Pkt. 5c; oz. 15c; $\frac{1}{4}$ lb. 40c; lb. \$1.25 postpaid.

MAY KING. The new early lettuce. It has medium sized, solid and round heads. Flavor rich, crisp and tender, melting in the mouth like butter. Pkt. 10c; oz. 20c; $\frac{1}{4}$ lb. 50c; lb. \$1.50.

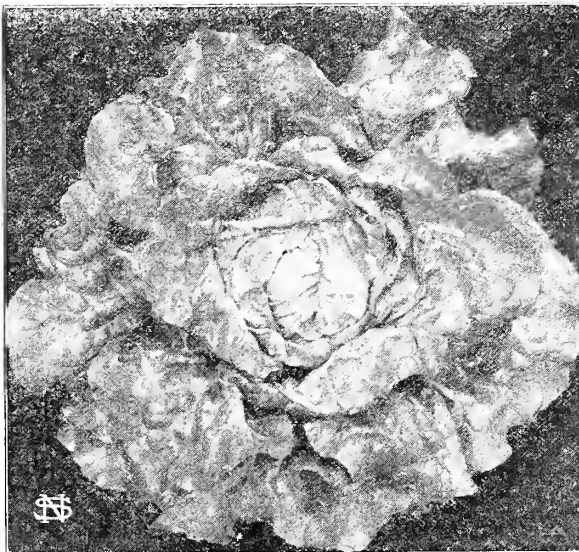
EARLY CURLED SIMPSON. White seeded. One of the best early sorts for market or family use. Forms a large, loose head. Leaves beautifully crimped, dark green, very tender and crisp. Pkt. 5c; oz. 15c; $\frac{1}{4}$ lb. 40c; lb. \$1.25 postpaid.

BIG BOSTON OR IMMENSITY. A very popular variety with gardeners who want a large heading, forcing sort, and also for outdoor winter culture. The plants are large, hardy and vigorous, with broad, smooth, thin leaves of light green color, and when well grown are very tender. This is grown in the South as a winter lettuce. Pkt. 5c; oz. 15c; $\frac{1}{4}$ lb. 40c; lb. \$1.25 postpaid.

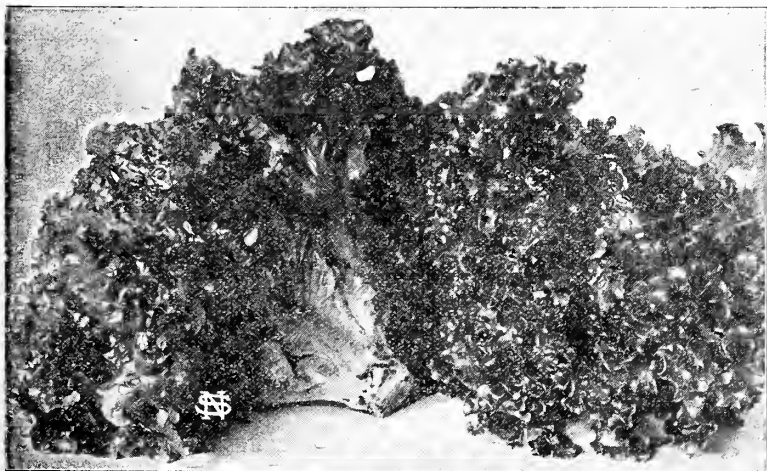
ALL SEASONS. Forms a large, handsome, extremely solid head, almost as large as a Flat Dutch Cabbage; color a light grayish-green, never spotted or brownish; leaves broad, quality excellent, decidedly buttery with thick leaves of much substance. Pkt. 10c; oz. 15c; $\frac{1}{4}$ lb. 40c.

GERMAN BUTTERHEAD. Produces fine, large heads of extra quality, remarkably tender and crisp, sure to head and of quick growth. It is one of the best for forcing and summer use, as it is slow to shoot to seed and resists heat well. This is one of the very best varieties for our Western climate. In my trial grounds it withstood extremely dry, hot weather remarkably well. I can recommend this lettuce very highly. Pkt. 5c; oz. 15c; $\frac{1}{4}$ lb. 40c; lb. \$1.10 postpaid.

GRAND RAPIDS FORCING. A very popular variety, which is grown very extensively in the Western states for forcing. Produces medium-sized heads, which are not solid, but very crisp, tender and delicious. Pkt. 5c; oz. 15c; $\frac{1}{4}$ lb. 40c; lb. \$1.25.



Big Boston.

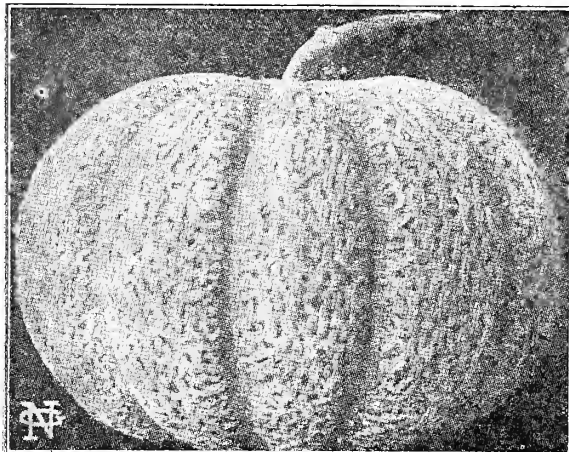


Early Curled Simpson.

DENVER MARKET. Early head lettuce, good either for forcing or open ground. The leaves are beautifully crimped and curled like the Savoy Cabbage; very crisp, tender and of excellent flavor. Pkt. 5c; oz. 15c; $\frac{1}{4}$ lb. 40c; lb. \$1.25.

PRIZE HEAD. A splendid lettuce for the home garden. Leaves are of reddish-brown color, variegated with dark green. The heads are of good size, tender and of fine flavor. Excellent for late planting, as it stands heat and drought well. A splendid variety for the Western states. Pkt. 5c; oz. 15c; $\frac{1}{4}$ lb. 40c; lb. \$1.25.

PARIS WHITE COS. The Cos lettuce differs entirely in shape from the other varieties, the head being elongated and of conical form. The outer coloring of this variety is yellowish-green. Very crisp and sweet. Considered by many to be the highest quality of all lettuces. Pkt. 5c; oz. 15c; $\frac{1}{4}$ lb. 35c; lb. \$1.20 postpaid.



Extra Early Hackensack.

MUSKMELONS.

Earliest varieties ready in 80 to 100 days from sowing. General crop requires 115 to 140 days. Melons thrive best in a light, rich soil. Plant when ground has become warm and dry and danger from frost is past, in hills 6 feet apart each way, in well enriched soil, 12 to 15 seeds in a hill. After all danger of bugs is over, thin out to three plants per hill. One ounce will plant 60 hills, 3 lbs. to the acre.

RUST-RESISTANT ROCKY FORD. (Novelty.) The highest development yet attained in the Rocky Ford Cantaloupe, both in netting and rust-resisting qualities, the heavy gray netting being closely laced and interlaced over the entire surface of the melon from the stem to the well-developed blossomed button. The meat is light green and very deep; its flavor is not excelled by any of the green meat sorts and none of them are better, if as good shippers. **It is highly rust-resistant.** Pkt. 10c; oz. 20c; ¼ lb. 45c; lb. \$1.50.

EXTRA EARLY HACKENSACK. Melons weigh from 4 to 10 pounds, round in form, flattened at the ends and well ribbed. Skin is deeply netted. Flesh light green, rich and sugary, and of excellent flavor. Pkt. 5c; oz. 15c; ¼ lb. 45c; lb. \$1.50 postpaid.

BURRELL GEM. Of the same size and shape as the well known Rocky Ford, but the flesh is of a rich golden color and most delicious flavor, but still solid. Abundant yielder. Meat is thick and fine grained. Pkt. 5c; oz. 15c; ¼ lb. 40c; lb. \$1.50 postpaid.

THOROUGHBERED ROCKY FORD. Flesh is greenish white in color, very juicy and rich. It is medium in size, of round, oval form and good keeper. Pkt. 5c; oz. 15c; ¼ lb. 40c; lb. \$1.50.

NETTED NUTMEG. This good standard variety is often called Early Green Nutmeg, the skin being deep green and finely netted. It is a productive sort. Largely grown in the East by market gardeners, who hold it in high esteem. I consider this one of the best varieties for family use. Vines vigorous, hardy, productive; fruit round, slightly flat, ribbed, covered with coarse netting, flesh very thick, green and of finest flavor. Pkt. 5c; oz. 15c; ¼ lb. 40c; lb. \$1.50 postpaid.

BANANA. Long, slim, banana-like fruit, cream color; flesh salmon, of rich flavor and delicious odor. Matures late. Pkt. 5c; oz. 15c; ¼ lb. 40c; lb. \$1.30 postpaid.

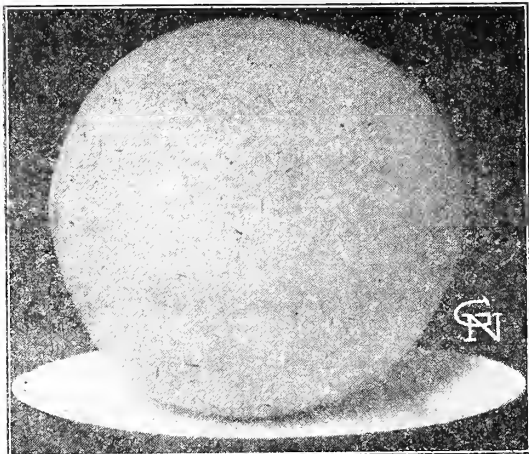
HOODOO. Nearly round, rind very tough, surface thickly netted. The melons average 1½ lbs.; very solid and heavy. Flesh rich salmon colored, sweet and delicious. Pkt. 5c; oz. 15c; ¼ lb. 40c.

EMERALD GEM. Of excellent quality and medium size. The white ribbed skin is perfectly smooth and of a deep emerald green color. The flesh is thick, of a rich salmon color, very juicy and rich. It is not a good shipper to distant markets on account of its thin rind. Pkt. 5c; oz. 15c; ¼ lb. 40c; lb. \$1.50 postpaid.

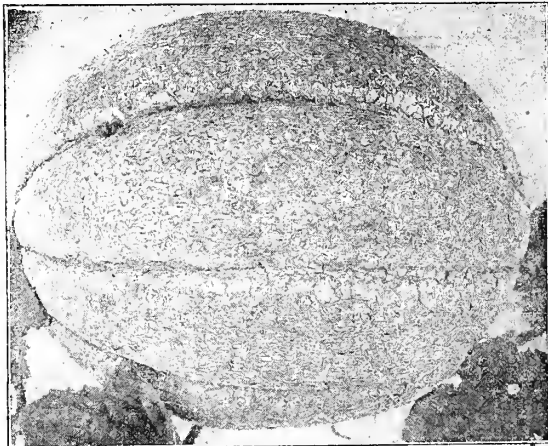
HONEY DEW CASABA. A new variety that came here from Egypt and is sure to become a favorite on account of its exceedingly sweet flavor. It is a globular, smooth, white melon, measuring about nine inches in diameter and weighing generally about 10 pounds. The flesh is a transparent greenish white and very thick. Vines are of very vigorous growth and ripen their fruits in about 120 days. The melons will keep under proper care for months, and some growers pile them up and cover them with vines and straw to await a better market. I would advise to try at least one packet this year. Pkt. 10c; oz. 30c.



Hoodoo.



Honey Dew Casaba.

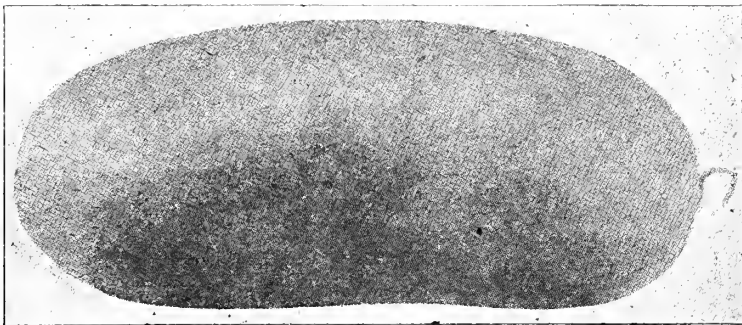


Thoroughbred Rocky Ford.

WATERMELON.

A light, sandy soil, with good exposure to the sun is the best for watermelons. It should be prepared deep, but receive shallow cultivation. Hoe often and thoroughly. To get good, strong vines early in the season, form large, well-drained hills of earth, made very rich, about 8 feet apart. In these plant the seed as soon as the ground is warm and dry, dropping 6 to 10 seeds in the hill. Protect the young plants from insects. One oz. to 30 hills, 3 lbs. to the acre.

TOM WATSON. An extra long melon of attractive appearance, uniform shape and quality. The dark green rind is tough, but thin and easily withstands shipment to distant markets. The deep red flesh extends to within three-fourths of an inch of the green rind, is crisp, melting and of finest flavor. The melon measures about 24 inches long and 12 inches in diameter and often attains a weight of from 50 to 60 pounds. It is very prolific, producing in great abundance the large, delicious fruits. Pkt. 5c; oz. 10c; ¼ lb. 30c; lb. \$1.00 postpaid.



Tom Watson.

COLE'S EARLY. This is a very choice melon for the home garden and can be grown farther north than any other variety. Flesh bright red, crisp, very delicate, sweet and excellent in flavor. It is an abundant bearer of medium-sized, but very solid melons, with thin rind. Pkt. 5c; oz. 10c; ¼ lb. 30c; lb. 90c postpaid.

ICE CREAM. (White Seeded.) Medium sized, of excellent quality, early and very productive. Being thin in rind, it is not so well adapted for shipping to distant markets. Very sweet and sells readily in the market. Pkt. 5c; oz. 10c; ¼ lb. 25c; lb. 90c postpaid.

ICEBERG OR BLUE GEM. Has a very firm, hard rind, and is quite as good a shipper as Kolb's Gem, but the flesh is much deeper colored, more tender and sweet. An excellent keeper. This variety is much the best dark colored melon for shipping. Pkt. 5c; oz. 10c; ¼ lb. 30c; lb. \$1.

GYPSY OR RATTLESNAKE. An old standard variety which has become very popular of late years. Of very large size, light green with dark stripes. Flesh bright scarlet and very sugary. A fine market variety and stands transportation well. Pkt. 5c; oz. 10c; ¼ lb. 30c; lb. \$1.00 postpaid.

ALABAMA SWEET. The rind is a dark green marked with a still darker green mottled stripe, and while thin, is very tough, making the melon a first-class shipper. The flesh is bright red, fine grained, sweet and luscious, entirely stringless and very firm. Pkt. 5c; oz. 10c; ¼ lb. 30c; lb. 95c postpaid.

SWEETHEART. Fruit large, oval and very heavy, uniformly mottled in light and dark green. Rind very thin, but firm. Flesh bright red, solid, tender, melting and sweet. This melon is particularly fine for shipping to distant markets. Pkt. 5c; oz. 10c; ¼ lb. 25c; lb. 85c postpaid.

DIXIE. This desirable variety combines long keeping qualities with great productiveness, high flavor and freedom from stringiness. Color of skin dark green, striped with a lighter shade; rind thin, but tough, flesh bright scarlet, of high flavor, ripens closely to rind. Pkt. 5c; oz. 10c; ¼ lb. 30c; lb. \$1.00.

KLECKLEY'S SWEET. Very productive. The fruit is oblong, color dark green, flesh deep red, stringless, solid and very sweet, with but few seeds set near the rind. I can personally recommend this melon as being one of the best to raise in Nebraska. They ripen early and are of a large size. Pkt. 5c; oz. 10c; ¼ lb. 35c; lb. \$1.10 postpaid.

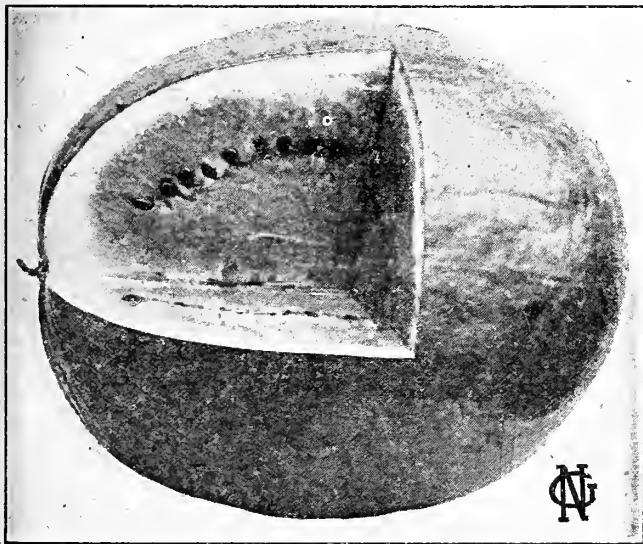
PRIDE OF NEBRASKA. One of the best, sweetest, juiciest, most delicious melons in existence, and it is especially desirable for the home garden. Vine vigorous and productive. Fruit of medium size, oval. The skin is a dark green, faintly striped; flesh bright red and peculiarly rich, crisp and pleasant flavored. It ripens early and is a long keeper. Pkt. 5c; oz. 10c; ¼ lb. 30c; lb. \$1.15 postpaid.

McIVER'S WONDERFUL SUGAR. This is becoming the most famous melon for sweetness and high quality. The fruits are long, averaging about 35 pounds each. Rather light colored, irregularly striped and mottled with dark green. The rind is thin, but tough, so that it is a good shipper. Flesh is delicate, light red, entirely stringless, very tender, juicy and luscious. Pkt. 5c; oz. 10c; ¼ lb. 25c; lb. 85c postpaid.

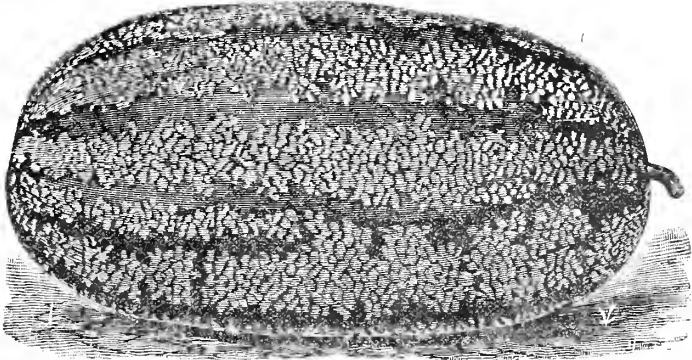
KOLB'S GEM. Fruit of the largest size, slightly oval, marked with irregular stripes of dark green. Flesh bright red, extending to within half an inch of the rind, always solid, very firm, sweet and tender. An excellent keeper and shipper. Pkt. 5c; oz. 10c; ¼ lb. 25c; lb. 85c postpaid.

CITRON. For preserving. Grows uniformly round and smooth, dark green, mottled with light green; flesh white and solid. Pkt. 5c; oz. 10c; ¼ lb. 30c; lb. \$1.00 postpaid.

MIXED VARIETIES. Many kinds in a good mixture. Pkt. 5c; oz. 10c; ¼ lb. 5c; lb. 85c.



Iceberg or Blue Gem.



Wonderful Sugar.



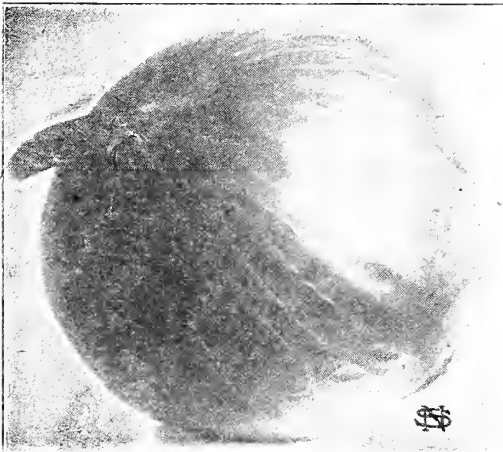
Southport Red Globe.

SOUTHPORT RED GLOBE. Medium early, grows to a large size, skin deep red, flesh fine grained, mild and tender. A good yielder. Pkt. 10c; oz. 30c; $\frac{1}{4}$ lb. \$1.15; lb. \$4.25.

LARGE RED WETHERSFIELD. Almost too well known to require any further description. Onions of large size, round, somewhat flattened, heavy yielders and most excellent keepers. The skin is deep purplish red; flesh purplish white, moderately fine grained and of a stronger flavor than other kinds. To any of my customers that want an onion of extra good keeping qualities for winter use, I would recommend to plant Red Wethersfield. Pkt. 5c; oz. 25c; $\frac{1}{4}$ lb. 90c; lb. \$3.50 postp.

DANVERS YELLOW FLAT or Large Strassburg. Similar to Yellow Globe Danvers, except in shape. Ripens very quick, is a sure cropper and yields well. Will stand drought well and is used to a large extent for growing onion sets. Pkt. 5c; oz. 25c; $\frac{1}{4}$ lb. 90c; lb. \$3.50 postpaid.

SOUTHPORT YELLOW GLOBE. A fine strain of yellow globe. Bulbs of handsome appearance and superior quality. They are fine keepers, uniform in size and shape and always



Southport Yellow Globe.

SILVER SKIN or White Portugal. A well known and popular variety, suitable for bunching, pickles and onion sets. Also makes a good sort for winter use, the onions being large, flat, of a mild, pleasant flavor and good keepers. I do not hesitate in recommending them to all of my customers. Ripens early. Especially good for northern latitudes. Pkt. 10c; oz. 40c; $\frac{1}{4}$ lb. \$1.25; lb. \$4.75 postpaid.

WHITE BERMUDA. True Tenerife Grown. These are the first early onions which are shipped North in large quantities, both from Bermuda and our Southern states. Our imported Tenerife seed gives the best results. In our Northern climate the bulbs are smaller but mature early and retain much of the mild, sweet flavor of the imported ones. The onions are pearly white, of flat shape and very mild. Pkt. 10c; oz. 35c; $\frac{1}{4}$ lb. \$1.25; lb. \$4.50.

NEW CRYSTAL WHITE WAX. Tenerife Seed. This is a large, pure white, flat onion. Grows to a good size, very early, and is the mildest and sweetest of onions. True seed is very scarce. Pkt. 10c; oz. 35c; $\frac{1}{4}$ lb. \$1.25.

ONIONS.

A strong, deep, rich and loamy soil is most suitable for this crop. As early in the spring as the ground is in working order, harrow it thoroughly and make it as fine and level as possible sow thinly in drills one-fourth inch in depth and 14 inches apart. Keep the surface of the ground open and free from weeds, but do not ridge up to the growing bulbs. One ounce will sow 100 feet of drill, 4 to 5 lbs. to the acre.

Write for quotations on large lots

EXTRA EARLY RED FLAT. Uniform in size and shape, quite flat, of deep red color and mild flavor. An abundant yielder, ripens up hard and keeps well. Pkt. 10c; oz. 40c; $\frac{1}{4}$ lb. \$1.25; lb. \$4.50 postpaid.



White Bermuda.

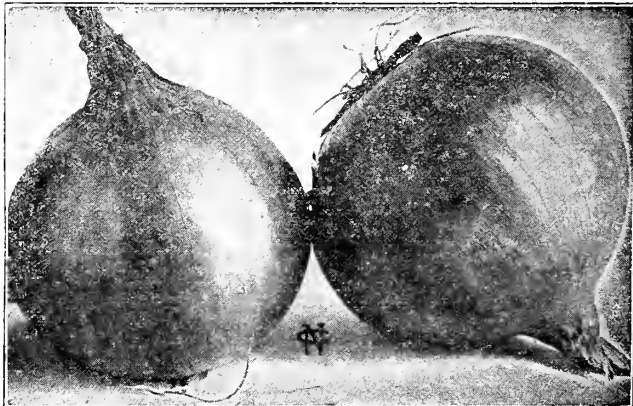
Pkt. 10c;
oz. 35c; $\frac{1}{4}$
lb. \$1.25; lb.
\$4.70 post-
paid.

YELLOW GLOBE DANVERS. A yellow onion of large size and globular shape that I have planted in my garden with the best of success. The flesh is white, solid and of good quality. The crop is uniform and ripens at one time. It is one of the best yielding varieties in existence and an excellent keeper. Pkt. 5c; oz. 30c; $\frac{1}{4}$ lb. \$1.00; lb. \$3.85 postpaid.

AUSTRALIAN BROWN. Early. Exceeds all other onions in keeping qualities. Will produce a fine crop of hard, solid onions, even in unfortunate seasons. Of globe shape. The skin is light brown, flesh pure white and exceptionally mild. Pkt. 5c; oz. 25c; $\frac{1}{4}$ lb. 90c; lb. \$3.50.

EXTRA EARLY BARLETTA. The very earliest onion in cultivation. They are of a pure paper-white color, very mild and delicate in flavor; $1\frac{1}{2}$ inches in diameter and $\frac{3}{4}$ of an inch in thickness. For table use and pickling. Pkt. 15c.

LARGE WHITE GLOBE. Pure white, of large size and globe shape. An immense yielder and good keeper. The flesh is very fine grained, solid, of fine flavor and very mild. Pkt. 10c; oz. 40c; $\frac{1}{4}$ lb. \$1.25; lb. \$4.80.



Yellow Globe Danvers

ONIONS.—(Continued.)

WHITE WELSH. For Green Onions. Does not form a bulb, but puts out many shoots, making it the best kind for "green onions." On account of the mild and sweet flavor, it is superior to the green onions grown from sets. Plant is perennial. Sow either in spring or fall. Pkt. 10c; oz. 45c; ¼ lb. \$1.50 postpaid.

GIANT ONIONS.

SONDEREGGER'S PRIZETAKER. The largest and handsomest Yellow Globe Onion. They attain an immense size, 15 inches in circumference being often attained under favorable conditions. The onion is of the same type as the large Spanish onions imported in quantity and sold in crates, which always command a high price. It is of a bright, straw-colored skin and thin neck. Ripens up hard and fine; flesh is pure white, fine grained, mild and of delicate flavor. Excellent for fall or early winter use. Pkt. 15c; oz. 45c; ¼ lb. \$1.35; lb. \$5.25 postpaid.

PRIZETAKER. One of the largest onions in cultivation. Is of globular shape with a bright straw-colored skin, the necks are very thin and the large, handsome bulbs always ripen up hard. An excellent keeper of finest flavor. Pkt. 10c; oz. 40c; ¼ lb. \$1.35; lb. \$5.00 postpaid.

MAMMOTH SILVER KING. The largest of all white onions. It is of attractive form, flattened, but thick through. The skin is silvery white, sweet and tender. Matures early and is of uniformly large and fine shape. Pkt. 10c; oz. 40c; ¼ lb. \$1.25; lb. \$4.85 postpaid.

ONION SETS.

Indispensable for early onions for bunching, as in a very few weeks they are ready for the table. My stock is carefully grown and very nice. Prices per 15 and 25 lbs. are subject to market variation, and shipped at buyer's expense. Onion sets weigh 32 lbs. per bushel, so 1 lb. is the same as 1 qt. If you want a large lot write for prices.

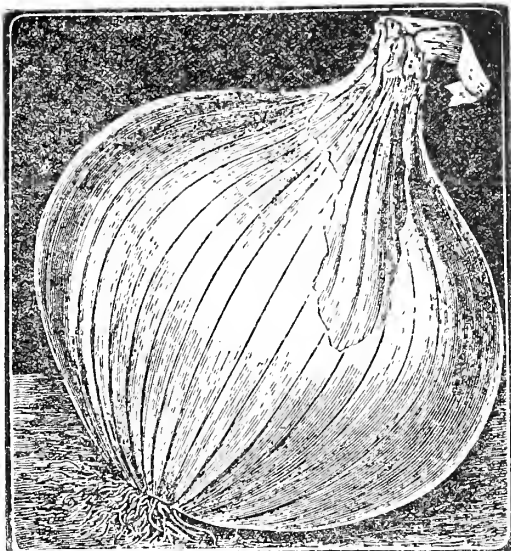
WHITE BOTTOM SETS. ½ lb. 20c; lb. 35c; 10 lbs. \$3.25 postpaid. Not prepaid, 15 lbs. \$4.75; 25 lbs. \$7.75.

RED BOTTOM SETS. ½ lb. 17c; lb. 30c; 10 lbs. \$2.90 postpaid. Not prepaid, 15 lbs. \$3.75; 25 lbs. \$6.00.

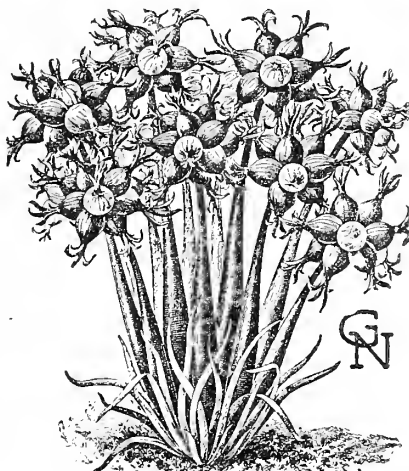
YELLOW BOTTOM SETS. ½ lb. 17c; lb. 30c; 10 lbs. \$2.90 postpaid. Not prepaid, 15 lbs. \$3.75; 25 lbs. \$6.00.

RED TOP OR BOTTOM SETS. Earliest of all. ½ lb. 20c; lb. 35c; 10 lbs. \$3.25 postpaid. Not prepaid, 15 lbs. \$3.75; 25 lbs. \$6.00.

SHALLOTS. ½ lb. 25c; lb. 40c; 10 lbs. \$3.75 postpaid. Not prepaid, 15 lbs. \$4.00.



Prizetaker.



Perennial or Winter Sets.

WHITE MULTIPLIER SETS. Excellent quality, very early. ½ lb. 20c; lb. 35c; 10 lbs. \$3.25 postpaid. Not prepaid, 15 lbs. \$4.20; 25 lbs. \$6.00.

POTATO or MULTIPLIER SETS. Early cropper. The sets are the largest of all. ½ lb. 20c; lb. 35c; 10 lbs. \$3.25 postpaid. Not prepaid, 15 lbs. \$4.20.

PERENNIAL OR WINTER SETS. Also called Egyptian or Tree Onion. Produce the earliest spring onions without winter protection. ½ lb. 15c; lb. 30c; 10 lbs. \$2.80 postpaid. Not prepaid, 15 lbs. \$3.75.

PARSLEY.

One ounce to 150 feet of drill. Soak the seed a few hours in luke warm water and sow early in the spring in drills one foot apart. Thin out to four inches. To preserve in winter, transplant to a light cellar, or glass frames. Used for garnishing and seasoning. A few seeds sown in onion rows use no space.

HAMBURG. Turnip rooted variety. The roots as well as the leaves are used for flavoring soups, etc. Pkt. 5c; oz. 20c; ¼ lb. 70c postpaid.

NEW EMERALD. Plants are of compact growth; leaves are a handsome bright green color, finely crimped and curled. Pkt. 5c; oz. 20c; ¼ lb. 65c postpaid.

CHAMPION MOSS CURLED. Leaves extra large, deep, rich green. Pkt. 5c; oz. 20c; ¼ lb. 65c postpaid.

PARSNIP.

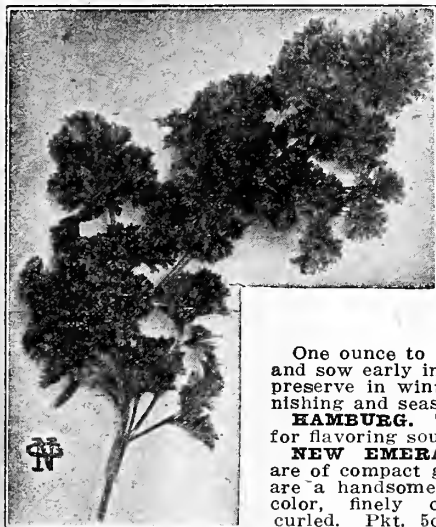
One ounce will sow 200 feet of drill, 5 pounds for one acre. Sow early in the spring in drills 15 inches apart, covering half an inch deep. When well up, thin out to 5 or 6 inches apart in the rows. They are improved by frost, and take up in fall a quantity for winter use.

IMPROVED GUERNSEY. Roots not so long as the Hollow Crown, but of greater diameter. Very smooth, fine grained and of excellent quality. A heavy cropper. Pkt. 5c; oz. 15c; ¼ lb. 35c; lb. \$1.30 postpaid.

HOLLOW CROWN or LONG SMOOTH. Roots long, ending somewhat abruptly with a tap root. Pkt. 5c; oz. 15c; ¼ lb. 35c; lb. \$1.30 postpaid.



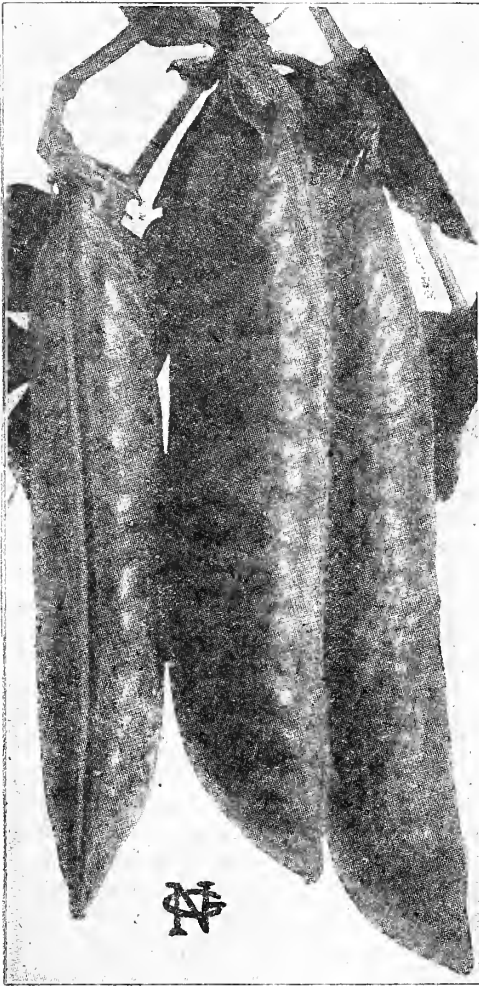
Guernsey Parsnip.



Moss Curled Parsley.

rich green. Pkt. 5c; oz. 20c; ¼ lb. 65c postpaid.

PEAS.



Pioneer.

WRINKLED VARIETIES.

PIONEER. (Novelty.) One of the latest achievements in the perfection of early peas, and I cannot speak too highly of it. Vines grow about 18 inches high, are very strong and do not need support unless the soil is very rich. The pods are filled with large, tender, fine flavored peas and are ready for market about the same time as Thomas Laxton. Pkt. 10c; $\frac{1}{4}$ lb. 15c; lb. 45c; 5 lbs. \$2.00, postpaid; 10 lbs. \$3.50, not prepaid.

PETER PAN. A splendid new pea of sturdy growth. The vines grow 15 to 18 inches high, are dark green in color and wonderfully productive, bearing numerous handsome, large dark green pointed pods, which measure 4 to 4½ inches in length and contain 9 to 10 deep bluish-green, sweet, wrinkled peas of finest quality. They mature a little earlier than Gradus, with pods equally as long. If you plant this variety I am sure you will want them again. Pkt. 5c; $\frac{1}{4}$ lb. 15c; lb. 50c; 5 lbs. \$2.25 postpaid. Not prepaid, 10 lbs. \$3.00; 25 lbs. \$6.25.

PREMIUM GEM. Ripens a little later than American Wonder, but generally a better yielder. Pods are 2½ inches long and well filled with wrinkled peas of the finest quality. Height 12 to 16 inches. Pkt. 5c; $\frac{1}{4}$ lb. 15c; lb. 40c; 5 lbs. \$1.75, postpaid; 10 lbs. \$2.75; 25 lbs. \$6.25, not prepaid.

GRADUS OR PROSPERITY. The earliest large podded wrinkled pea. Bears in great abundance handsome pods and ripens nearly as early as the small, round early sorts. Is quick to germinate and of vigorous growth. The pods are of bright green color, and measure 4 inches in length, well filled with luscious peas, 8 to 10 or more in pod. Height 2½ feet. For the market and home garden one of the best varieties. Pkt. 5c; $\frac{1}{4}$ lb. 13c; lb. 35c; 5 lbs. \$1.50, postpaid; 10 lbs. \$2.50; 25 lbs. \$5.00.

SUTTON'S EXCELSIOR. Resembles Nott's Excelsior, but has longer and broader pods, of a light green color. The pods are square at the ends and filled with 6 or 8 large sized peas. Very tender and of a most delicious flavor. Vines grow about 15 to 20 inches high and are hardy, therefore permitting early planting. Pkt. 5c; $\frac{1}{4}$ lb. 10c; lb. 35c; 5 lbs. \$1.60, postpaid; 10 lbs. \$3.00; 25 lbs. \$5.50, not prepaid.

Peas mature earlier in a light, rich soil; for the general crop a moderately heavy soil is best. Commence sowing the early varieties as soon as the ground can be worked, continue for a succession every two weeks until June. One lb. for 75 ft. of drill; 2 or 3 bu. for 1 acre. Wrinkled varieties are more susceptible to cold, wet weather than the small, round sorts, hence should not be planted very early. They are sweeter and better flavored. In comparing prices, please bear in mind that my prices are postage paid by me on $\frac{1}{4}$ lb., lb. and 5 lbs., and on 10 lbs. and 25 lbs., by freight or express, purchaser paying charges.

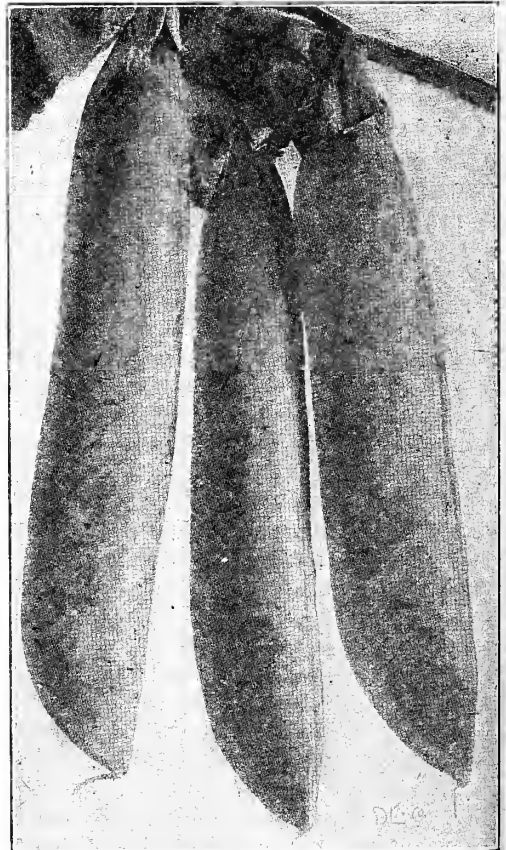
ALASKA. It is a good yielder and produces pods of good size and dark green color, which are well filled with round, smooth peas of splendid flavor. Height 2 feet. Color of the dried pea is green. Ready for table in 48 days. Pkt. 5c; $\frac{1}{4}$ lb. 15c; lb. 35c; 5 lbs. \$1.50 postpaid; 10 lbs. \$2.40; 25 lbs. \$5.00 not prepaid.

FIRST AND BEST. Pods are of good size and well filled with round, smooth peas of excellent flavor, ripening at one time, so that generally the entire crop may be gathered at one picking. Is very productive and hardy. Height of vine 2 to 2½ feet. Ready for the table in 50 days. Pkt. 5c; $\frac{1}{4}$ lb. 15c; lb. 35c; 5 lbs. \$1.50 postpaid; 10 lbs. \$1.60; 25 lbs. \$2.75 not prepaid.

EXTRA EARLY TOM THUMB. An extremely early variety of superior merit. Vines dwarf, about 9 inches high, completely covered with an abundance of the finest well-filled pods. It is of such upright growth that it can be planted in rows 10 inches apart. Matures in 40 to 45 days. Pkt. 5c; $\frac{1}{4}$ lb. 15c; lb. 45c; 5 lbs. \$1.75 postpaid; 10 lbs. \$3.00 not prepaid.

EXTRA EARLY MAY. An extremely early variety of superior merit. Vines are dwarf, about 18 inches high, completely covered with an abundance of the finest well-filled pods. My experience has been that for a first early heavy bearing variety you will not make a mistake by planting Extra Early May. It is of upright, hardy growth. Pods are large for an extra early sort and quality the very best. Matures in 40 to 50 days and is always in great demand for the home garden as well as for market gardeners. Pkt. 5c; $\frac{1}{4}$ lb. 15c; lb. 45c; 5 lbs. \$2.00 postpaid. Not prepaid, 10 lbs. \$3.25.

MAMMOTH PODDED EXTRA EARLY. One of the finest extra early peas. Pods are large, produced in abundance. Seeds are large, smooth and white. Vines grow about 3 ft. high. This variety is to be recommended for general use and is bound to take first place as a leading market gardeners first early pea. Pkt. 10c; $\frac{1}{4}$ lb. 20c; lb. 60c; 5 lbs. \$2.50 postpaid. Not prepaid, 10 lbs. \$3.75.



Gradus or Prosperity.

PEAS.—WRINKLED VARIETIES.—(Con'd.)

AMERICAN WONDER. Very prolific, with pods of good size. Matures early and is strictly a pea for the family garden, requiring no brush or support. Quality is the best. Height 10 inches. Ready for table in 55 days. Pkt. 5c; ¼ lb. 15c; lb. 40c; 5 lbs. \$1.75, postpaid; 10 lbs. \$3.00; 25 lbs. \$6.25, not prepaid.

NOTT'S EXCELSIOR. Of robust and vigorous growth and ripens with the extra early market sorts. The pods are about 3 in. long, and contain from 6 to 8 large peas, which are tender and of fine flavor. Height 15 in. Pkt. 5c; ¼ lb. 13c; lb. 40c; 5 lbs. \$1.75, postpaid; 10 lbs. \$3.00; 25 lbs. \$6.25, not prepaid.

EVERBEARING. For a second early or main crop variety, I do not hesitate to recommend Everbearing in the least, as they have proven very satisfactory in my garden. The pods are of large size, well filled with very large peas of superior flavor. The vines are of robust growth and branching habit, producing new blossoms after repeated pickings. Height 20 to 24 inches. Pkt. 5c; ¼ lb. 13c; lb. 40c; 5 lbs. \$1.75, postpaid; 10 lbs. \$3.00, not prepaid.

CHAMPION OF ENGLAND. The vines are of vigorous growth and produce large pods of luscious peas in abundance. If you want a late, climbing, heavy bearing pea, I would advise you to plant this variety. Pkt. 5c; ¼ lb. 13c; lb. 40c; 5 lbs. \$1.75, postpaid; 10 lbs. \$3.00; 25 lbs. \$6.00, not prepaid.

SUGAR PEAS.

SONDEREGGER'S GIANT SUGAR. Edible pods. They are used in the same manner as string beans. The large, broad flattened pods are of a waxy yellow color, stringless, very sweet and tender. 4 to 5 ft. high and very prolific. Pkt. 10c; ¼ lb. 15c; lb. 45c; 5 lbs. \$2.00, postpaid; 10 lbs. \$3.50; 25 lbs. \$7.00, not prepaid.

DWARF GRAY SUGAR. Most desirable and sweetest of all edible pod peas. In my garden they turned out exceptionally fine. Pods are of good size and filled with 6 to 8 peas. Pkt. 5c; ¼ lb. 15c; lb. 45c; 5 lbs. \$2.00, postpaid; 10 lbs. \$3.50; 25 lbs. \$7.00, not prepaid.

TALL GRAY SUGAR. Edible pods. Height 4 to 5 ft. Produces abundantly large sized brittle pods, which are cooked like string beans; they are delicious, sweet and tender. Pkt. 5c; ¼ lb. 15c; lb. 45c; 5 lbs. \$2.00, postpaid; 10 lbs. \$3.50; 25 lbs. \$7.00, not prepaid.

MAMMOTH MELTING SUGAR. Edible pods. Cooked like string beans they are a delightful dish. Immensely pro-

ductive. Pkt. 10c; ¼ lb. 15c; lb. 45c; 5 lbs. \$2.00, postpaid; 10 lbs. \$3.50; 25 lbs. \$7.00, not prepaid.

PEPPER.

Sow in hot bed in April and transplant to open ground when the weather is favorable, in warm, mellow soil, in rows 18 in. apart. May also be sown in open ground when danger of frost is past and soil warm. 1 oz. to 2,000 plants.

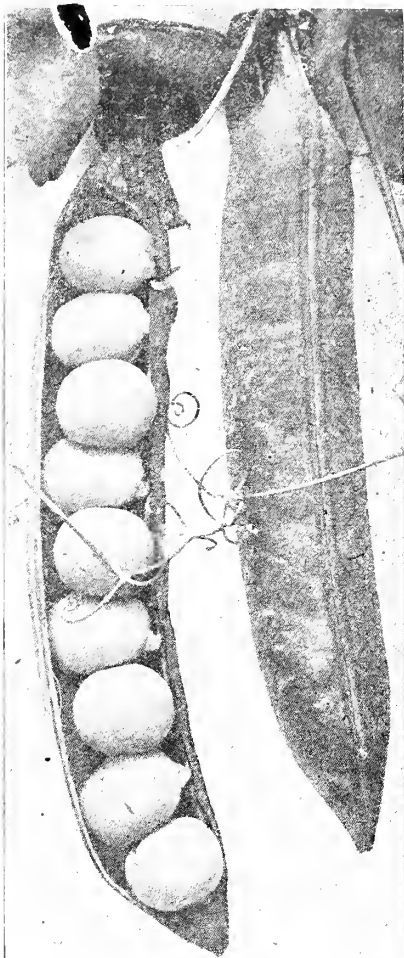
CHINESE GIANT. Undoubtedly the largest pepper in existence. Plant is of strong growth and a very prolific bearer. Flesh is thick, of bright scarlet color, very mild and sweet. Pkt. 15c; ½ oz. 35c; oz. 60c; ¼ lb. \$2.00.

LARGE SWEET SPANISH. Bell shaped. Very large, of square form, thick, hard and less pungent than most sorts. A variety that I can personally recommend, as I have planted them in my garden for years, with the best of success. Ripens early. Pkt. 15c; oz. 60c; ¼ lb. \$2.00.

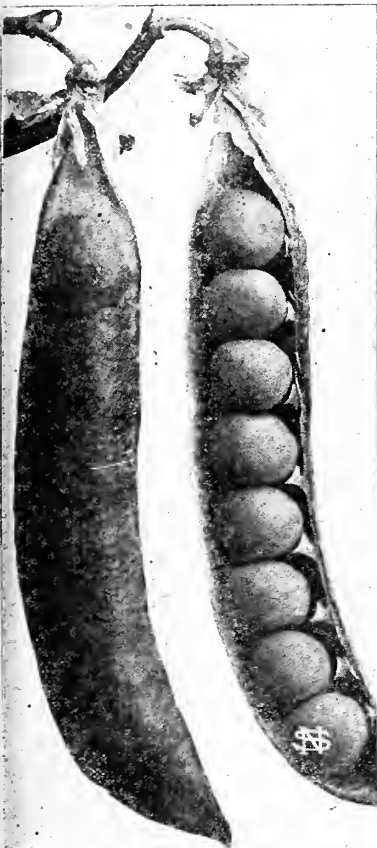
RED CAYENNE. A long, slim pod, and when ripe, of a bright red color; extremely strong and pungent. Pkt. 10c; oz. 50c; ¼ lb. \$1.75.

RUBY KING. The fruits are five to six inches long by four inches thick, of a bright red color. Remarkably mild and pleasant in flavor. Pkt. 15c; oz. 55c; ¼ lb. \$2.00.

RED CHILI. Small fruits, three inches in length and about an inch in diameter. Bright red, very hot and fiery. Used for making Mexican Chili. Pkt. 15c; oz. 55c; ¼ lb. \$2.00.

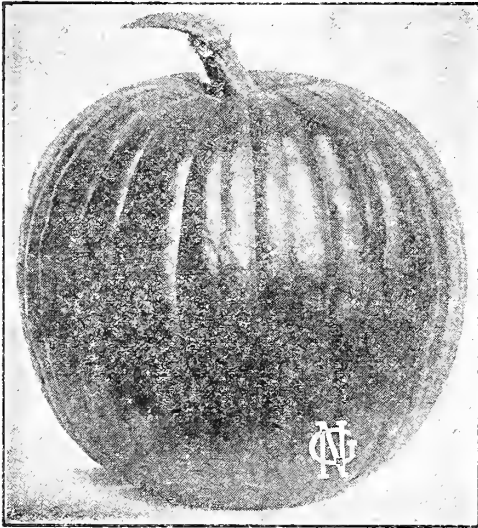


Champion of England.



Nott's Excelsior.

Large Sweet Spanish Pepper.
Raised in my own garden.



Common Field.

excellent keeper. The average weight is about 5 lbs. Pkt. 5c; oz. 15c; $\frac{1}{4}$ lb. 35c; lb. \$1.30 postpaid.

COMMON FIELD. Well known old Connecticut Field Pumpkin, which is of medium size, orange yellow color and good flavor. If planted with corn, it only requires 2 lbs. of seed per acre. Also good sort for kitchen use. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 25c; lb. 85c postpaid.

PUMPKIN.

Pumpkins are frequently planted in connection with a crop of corn, or as a second crop after early peas, etc. Plant in drills 8 to 12 feet apart, one ounce of seed for 2 $\frac{1}{2}$ hills; 3 to 4 pounds per acre. The fruits are very susceptible to frost; should be gathered and stored in a cool dry place in the fall.

TENNESSEE SWEET POTATO. Hardy, productive, sweet and delicious. It is of medium size, of a white, creamy color and has an excellent flavor; a good keeper. Pkt. 5c. oz. 15c; $\frac{1}{4}$ lb. 40c; lb. \$1.40.

JAPANESE PIE. Skin is deep green, with darker stripes, turning to yellow as fruit ripens. Earlier than any other pumpkin. Flesh very thick, a rich salmon color, nearly solid, dry and sweet, making rich pies. Pkt. 5c; oz. 15c. $\frac{1}{4}$ lb. 40c; lb. \$1.40 postpaid.

LARGE SWEET CHEESE. Fruit flattened, skin cream color; flesh yellow, thick and very tender. Large, hardy, productive. Good keeper. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 35c; lb. \$1.30

CUSHAW OR CROCKNECK. Very productive, color light cream, sometimes lightly striped; flesh salmon colored, mealy, sweet. This variety is called a Squash by many people, and is about as much of a squash as a pumpkin. Pkt. 5c; oz. 15c; $\frac{1}{4}$ lb. 40c; lb. \$1.40 postpaid.

KING OF MAMMOTHS. Grows to an immense size, often weighing over 200 pounds. The flesh and skin are of a bright golden yellow color. Flesh fine grained and of excellent quality. Pkt. 5c; oz. 15c; $\frac{1}{4}$ lb. 35c; lb. \$1.30 postpaid.

SMALL SUGAR. Also called Sweet Pumpkin. It is small, being about 10 inches in diameter. It has a deep orange yellow skin, and fine grained flesh, handsome and an

MISCELLANEOUS SEEDS.

MUSHROOMS.

The ease and certainty with which a crop of mushrooms can be grown to perfection in any ordinary house, cellar, wood shed or barn, and the astonishing success of so many who have taken up this industry, both for profit and their own use, induces us to call special attention to the subject. The great luxury can be enjoyed by all at a trifling expenditure of money, time and labor.

Book, "How to Grow Mushrooms," 10c.

IMPROVED ENGLISH SPAWN. Grown by special culture from large, perfect heads and then pressed into bricks of about 1 $\frac{1}{2}$ lbs. each. Per brick 50c, postpaid; not prepaid, 5 bricks, \$1.80.

PEANUTS.

Peanuts can be grown as far north as South Dakota, and everyone should plant at least a few for the children.

MAMMOTH VIRGINIA. The most profitable to grow and easily cultivated. Very erect stems and upright foliage. Plant in drills 4 feet apart, placing the nuts 6 inches apart. Pkt. 10c; $\frac{1}{2}$ lb. 25c; lb. 45c postpaid; not prepaid, lb. 35c; 5 lbs. \$1.50.

EARLY SPANISH. The earliest variety grown; pods are small, but remarkably solid and well filled. Plant in drills 3 feet apart, placing nuts 8 to 10 inches apart. Pkt. 10c; $\frac{1}{2}$ lb. 25c; lb. 45c postpaid. Not prepaid, lb. 35c; 5 lbs. \$1.50.



Crimson Globe. Photograph taken from Radishes grown in my garden. (Page 95.)

MUSTARD.

WHITE. Best for salad and culinary purposes. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 25c; lb. 75c postpaid.

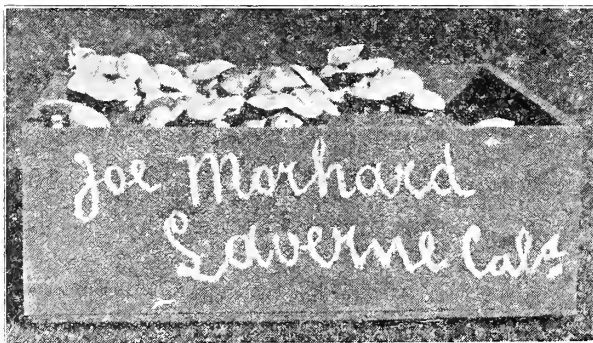
SOUTHERN GIANT CURLED. Highly esteemed in the South, where seed is sown in fall and plants used early in spring as a salad. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 25c; lb. 80c postpaid.

OKRA OR GUMBO.

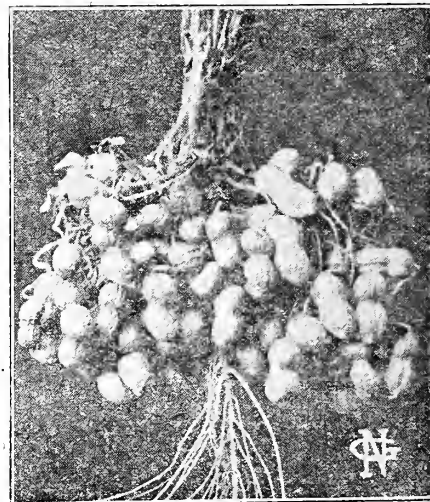
The young seed pods of this Southern plant are used for the well known and delicious "Gumbo" soups; alone or with chicken. Its smooth, glutinous taste is much liked. Probably the finest known vegetable for

table use. Easy to grow. Plant in spring, as soon as danger of frost has passed. Plant in drills or hills, 18 to 24 inches apart, cultivate same as corn

WHITE VELVET. Produces pods larger than any other. Pkt. 5c; oz. 15c; $\frac{1}{4}$ lb. 30c; lb. \$1.00 postpaid



Mushroom grown by Joe Morhard.



Peanuts.

RADISH.

One ounce will sow 100 feet of drill, 8 to 12 lbs. per acre. For first crop sow as early in the spring as the ground can be worked, and every two weeks throughout the season for succession. A warm, sandy loam, made rich and light by strong manure, is best. Sow in drills 10 to 12 inches apart. The winter varieties should be sown in July and August.

My Radish Seed is saved from selected, transplanted roots, and it costs more to raise Radish Seed if grown that way than if no selection is made.

SAXA. The earliest Radish for forcing or outdoor culture. They have repeatedly been tried, both under glass and outside, but have invariably proved to be ready for market about three days earlier than any other forcing variety. The roots are globe shaped, bright, deep, fiery scarlet with no hint of purple in it, and often reach a marketable size with only two true leaves. Because of its small tops, quick maturity and handsome color, it is considered the best forcing radish and can be recommended equally well for outdoor culture. Pkt. 10c; oz. 25c; ¼ lb. 55c postpaid.

SPARKLER. A very attractive and desirable radish on account of its beautiful color, quick growth and fine quality. The color is a very deep scarlet with a pure white tip covering about one-third of the lower part of the root. In shape it is nearly round, slightly flattened on the under side. The roots are solid, crisp and sweet and remain fit for use longer than most early radishes. It is equally well adapted for forcing as for outdoor planting. Pkt. 10c; oz. 20c; ¼ lb. 50c; lb. \$1.85 postpaid.

CRIMSON GLOBE. This variety is suitable both for forcing or early planting out of doors. A remarkable feature of this radish is that it will grow double the size of other round red forcing radishes and still remain solid. In shape this new radish is round to oval. Flesh is mild and tender. Pkt. 5c; oz. 15c; ¼ lb. 40c; lb. \$1.50, postpaid.

EARLY SCARLET GLOBE. Extra early, brilliant scarlet, nearly globe-shaped and remarkably crisp and tender. Pkt. 5c; oz. 15c; ¼ lb. 40c; lb. \$1.40, postpaid.

NE PLUS ULTRA. An extra early sort especially adapted to forcing being ready for market in 20 days. Round and bright scarlet, very small tops; quality the best. Pkt. 5c; oz. 15c; ¼ lb. 40c; lb. \$1.40, postpaid.

EARLY SCARLET TURNIP. A small, round, red, turnip-shaped radish with a small top and of quick growth. An early variety of rich color crisp and tender. Pkt. 5c; oz. 15c; ¼ lb. 40c; lb. \$1.40, postpaid.

ROSY GEM. Very desirable for forcing and outdoor planting. Tops and roots both small; skin bright scarlet tipped with white. Pkt. 5c; oz. 15c; ¼ lb. 40c, postpaid.

EARLY LONG SCARLET SHORT TOP. It grows 6 to 7 inches long, half out of the ground. It is very brittle and crisp, and of quick growth; color bright scarlet. Pkt. 5c; oz. 15c; ¼ lb. 40c; lb. \$1.50, postpaid.

CINCINNATI MARKET. It is a long radish of a light color, white tipped, of uniform size. Extra early, with small tops. The flesh is of transparent whiteness, always crisp, brittle and of mild flavor. The standard

sort in many localities, especially in the South, but suitable for all sections. Pkt. 5c; oz. 15c; ¼ lb. 40c; lb. \$1.50, postpaid.

FRENCH BREAKFAST. Well known, quick growing variety of oval shape. Bright scarlet tipped with white. Of medium size, crisp and tender. Pkt. 5c; oz. 15c; ¼ lb. 40c; lb. \$1.50, postpaid.

SONDEREGGER'S DELICIOUS. (Novelty.) A new summer radish that has quickly attained great popularity and should be planted by everyone. It is particularly adapted for summer use, producing handsome olive-shaped roots, which are pure white, exceedingly crisp and of mild flavor. It requires a longer time to mature than the earlier varieties of radish, but remains in fine condition much longer. Pkt. 10c; oz. 20c; ¼ lb. 50c; lb. \$1.90, postpaid.

CHARTER. The color of the top is crimson, running into pink about the middle, thence downward it is pure waxy white. It is very crisp, tender and of pleasant flavor. Pkt. 5c; oz. 15c; ¼ lb. 40c; lb. \$1.40.

SONDEREGGER'S ICICLE. This is without doubt the best long white radish. I have found them to bring excellent results when other sorts fail and I think they are of better quality, too. They are very early, with long, slender, pure white roots, which will keep crisp for a long time. The roots are of a transparent whiteness, brittle, crisp and of a fine flavor; tops very small. In my garden I plant them for first early, for summer and for late use. Quality is always good. Pkt. 5c; oz. 15c; ¼ lb. 45c; lb. \$1.75, postpaid.

WINTER RADISH.

Winter Radish Should Be Sown During July and Early August.

LONG BLACK SPANISH. Roots oblong, of very large size and firm texture. Somewhat sharp in taste. Best keeper. Pkt. 5c; oz. 15c; ¼ lb. 40c; lb. \$1.45, postpaid.

ROSE CHINA. Bright rose color, flesh white, firm and of superior quality. Pkt. 5c; oz. 15c; ¼ lb. 40c; lb. \$1.45, postpaid.

CALIFORNIA MAMMOTH WHITE. Pure white. Flesh tender and crisp; keeps perfectly through the winter. Pkt. 5c; oz. 15c; ¼ lb. 40c; lb. \$1.40 postpaid.



Saxa



Sonderegger's Icicle.



Cincinnati Market.



New Zealand Spinach, raised in my garden.

POTATO SEED.

Hybridized potato seed from the flower boll (the true seed). It is from such seed that the new choice varieties of potatoes are originated. The result is interesting and often profitable. Pkt. 15c; 4 for 50c.

ROSELLE.

The Lemonade Plant of Queensland. The fruit resembles the scarlet podded okra, and is used for making jelly and jam. It is easily grown from seed, grows rapidly and resists drought. It is a very ornamental plant and also of great food value, warranting more extended cultivation. Pkt. 15c.

TOBACCO.

One ounce will sow about 25 square feet and produce plants for one acre. This is a paying crop and will do well in this state. The following varieties have been thoroughly tested in this climate. Early in the spring burn a brush pile on the ground to be used for seed bed. Then thoroughly pulverize the soil, digging and mixing in the ashes. Sow seeds shallow. When plants are 6 inches high transplant into rows four feet apart.

CONNECTICUT SEED LEAF. Best adapted to the climate of the Middle and Northern States. Pkt. 5c; oz. 40c; ¼ lb. \$1.25, postpaid.

WHITE BURLEY. Largely grown for manufacture of fine cut plug. Pkt. 5c; oz. 40c; ¼ lb. \$1.25.

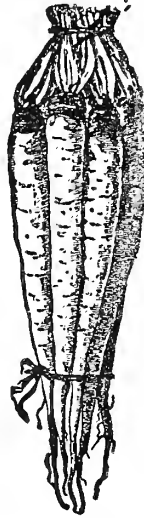
HAVANA. Well known large leaved variety. Pkt. 10c; oz. 40c; ¼ lb. \$1.25.

This is a photograph of my exhibit at the Tripp County Fair, Winner, S. Dak., for which I was awarded first premium, \$100, also special premium of a gas engine for individual exhibit. Seeds were bought from Sonderegger Nurseries and Seed House.

Peter Mueller,
Colome, S. Dak.

Louisville, Neb.,
Mar 21, 1917.

Enclosed find my tenth order to you. I know you will fill it with the same care you always have done. I have always had good seed from you, and have recommended you wherever I could. H. A. Bluma.



Salsify.

RHUBARB OR PIE PLANT.

Succeeds best in deep, rich soil. Sow in spring in drills, cover one inch. Thin plants to six inches apart. Transplant in autumn or spring to permanent beds 3 feet apart each way. One ounce will make about 100 plants.

LINNAEUS. The standard sort. Pkt. 5c; oz. 10c; ¼ lb. 35c; lb. \$1.25, postpaid.

GIANT. Quite acid, of fine flavor. Pkt. 5c; oz. 10c; ¼ lb. 35c; lb. \$1.35, postpaid.

RHUBARB ROOTS. See page 26.

SALSIFY OR OYSTER PLANT.

Resembles a small parsnip, and when thinly sliced and cooked, is a good substitute for oysters, having a very similar flavor. It succeeds best in a light, rich soil. Sow early and quite deep, thin out and cultivate like carrots. Perfectly hardy and may remain out all winter. For winter use store a quantity in the cellar. One ounce to 50 feet of drill.

MAMMOTH SANDWICH ISLAND. Grows to a large size, is of superior quality and pure white color. Pkt. 5c; oz. 15c; ¼ lb. 50c.

SPINACH.

One ounce will sow 100 feet of drill, 10 lbs. per acre. Select rich, well drained soil, sow in drills one foot apart and one inch deep, or it may be sown broadcast at the rate of 30 lbs. to the acre. For spring and summer use make first sowing early in spring and continue at intervals of two or three weeks until the middle of June, sow in August and September for early spring use, and protect with a covering of straw during severe weather.

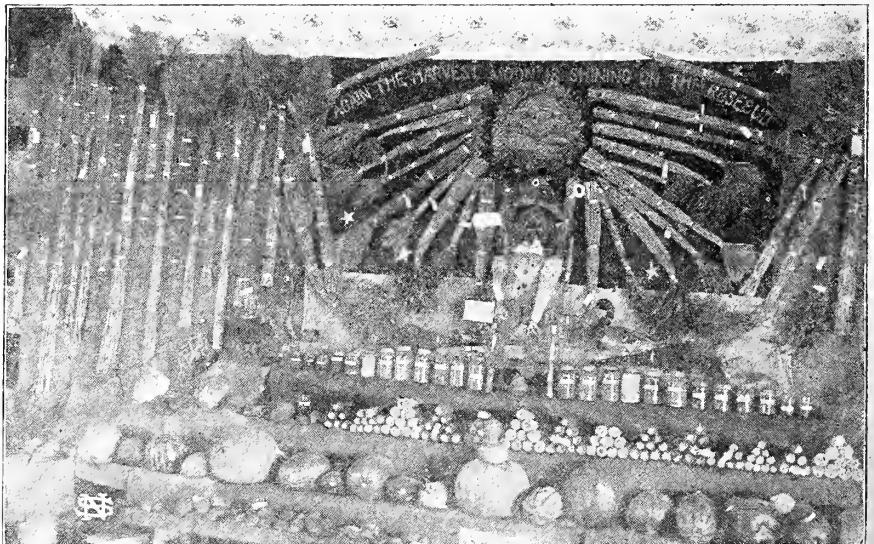
FLEMISH GIANT. The plants of this new spinach are extremely hardy and of extra large size. The leaves are very thick, permitting safe long-distance shipment. Pkt. 10c; oz. 20c; ¼ lb. 60c; lb. \$2.00, postpaid.

VICTORIA. The foliage is heavy, the broad dark green leaves being of the true savory appearance, and of finest quality. In prime condition from 2 to 3 weeks after other kinds have run to seed. Pkt. 10c; oz. 20c; ¼ lb. 60c; lb. \$2.00, postpaid.

ROUND LEAVED. Leaves large, thick and fleshy; excellent for fall sowing. Pkt. 10c; oz. 15c; ¼ lb. 50c; lb. \$1.90, postpaid.

LONG STANDING. An improved strain of excellent merit, having all the good qualities of the ordinary sorts, and especially desirable because it is much later in going to seed. Pkt. 10c; oz. 20c; ¼ lb. 55c; lb. \$1.90, postpaid.

NEW ZEALAND. This sort is grown to supply the place of the ordinary spinach during the hottest months of the year or in dry, arid places, where the ordinary spinach does badly. In my garden I plant nothing but New Zealand, as it does best in both cool and wet, as well as hot and dry summers. The plant is very large, with thick, fleshy leaves of very fine flavor and remains crisp and tender from early summer till cut by frost. Pkt. 10c; oz. 20c; ¼ lb. 50c; lb. \$1.90.



SQUASH.

Any good enriched soil is adapted to the growing of Squash. The seed should not be sown in the spring until danger from frost is past and the ground is warm. Plant in hills (about 8 to 10 seeds in a hill) the early sorts 4 to 6 feet apart, the late varieties 8 to 12 feet. Thin out to three plants in the hill. Keep the earth about the plants loose and free from weeds. One ounce for 25 hills, 3 to 4 pounds per acre.

EARLY WHITE BUSH. This is the well known White Pattypan Squash. The earliest to mature, very productive, light cream colored. Pkt. 5c; oz. 15c; ¼ lb. 35c; lb. \$1.30, postpaid.

GIANT SUMMER CROOKNECK. A great improvement upon the former size, runs more evenly as to type, and grows fruit in quantity of healthy, compact, bushy plants. The fruit is heavily warted, its flesh is of deep golden color, and quality best. Pkt. 5c; oz. 15c; ¼ lb. 35c; lb. \$1.30 postpaid.

CUSHAW SQUASH. Every spring I have a number of calls for Cushaw Squash, so I decided to list them this year. This variety is often called a pumpkin and is about as much of a pumpkin as a squash. They grow to a very large size, are distinctly mottled green and white striped and very beautiful in appearance. The flesh is solid, fine grained, very sweet and excellent for pies; also good for baking. Pkt. 5c; oz. 15c; ¼ lb. 40c; lb. \$1.50, postpaid.

DELICIOUS. Considered to be the best flavored Squash in existence. Color a handsome green and of nice size, weighing 5 to 10 lbs. Flesh is dark orange color, fine grained, sweet and dry. Best in winter. Pkt. 10c; oz. 20c; ¼ lb. 50c; lb. \$1.75, postpaid.

WARTY HUBBARD. I consider this the ideal type of the Hubbard Squash. It is the best of all winter sorts, and sells at sight in all markets. Very dark green, shell extremely hard and warty. Flesh dry, sweet and of finest flavor. Pkt. 5c; oz. 20c; ¼ lb. 50c; lb. \$1.75, postpaid.

HUBBARD. A well known standard winter squash. Very similar to the above; however, the fruits are smoother and somewhat smaller in size. Pkt. 5c; oz. 15c; ¼ lb. 45c; lb. \$1.60 postpaid.

GOLDEN HUBBARD. This is a very distinct sort of the shape and general character of the Hubbard, but a little smaller, earlier to mature, and of rich orange red color. The flesh is a little deeper colored and fully as good quality. Pkt. 5c; oz. 15c; ¼ lb. 35c; lb. \$1.25, postpaid.

BANANA. Crop failure this season; hope to be able to list this good variety again next season.

SIBLEY OR PIKE'S PEAK. One of the very best winter varieties. Surpasses the Hubbard in quality. Has large, oval fruits, tapering at the blossom end. Shell hard, dark olive color. Pkt. 5c; oz. 15c; ¼ lb. 35c; lb. \$1.25, postpaid.

SONDEREGGER'S MAMMOTH. A giant in the squash family. It is an extra large fruited variety, quite distinct in form and appearance. Under good cultivation the fruits often attain a weight of 100 lbs. or more. They grow 2½ to 3 feet long and slightly taper toward the stem end. The skin is of a dark olive green color with stripes of a lighter tinge. Flesh

is solid and firm, of orange yellow color, excellent quality and keeps well. For exhibition purposes and stock raising you will find this variety unexcelled. Pkt. 10c; oz. 25c; ¼ lb. 60c, postpaid.

MAMMOTH CHILI. Largest of the squash family. Round form, flesh very thick, yellow, of good flavor. Color orange yellow. Excellent keeper. Pkt. 5c; oz. 15c; ¼ lb. 40c; lb. \$1.50, postpaid.

Blue Rapids, Kans. Bx. 537.
Mar. 22-17.

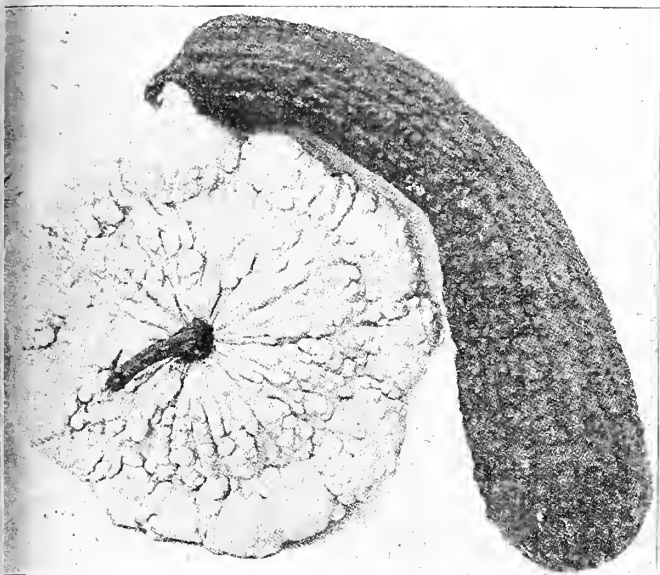
I had good luck with the seed got from you a year ago. I was more than pleased with the overbearing Peas and Everbearing Cucumbers and would recommend them to everybody.

I am more than pleased with the trees and plants I received from you. Mrs. J. E. Rodkey.

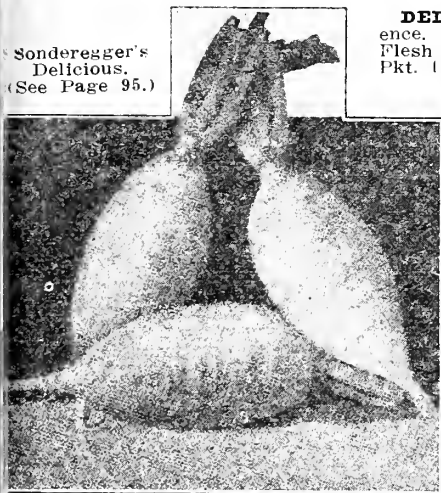
Harrisburg, Ore., Mar. 10, 1917.
The fruit trees we got of you years ago, we are well pleased with. The Compass Cherry-Plum had several gallons of Plums on. They are fine fruit and of fine flavor. The tree made such a big growth.

Samuel Cook.

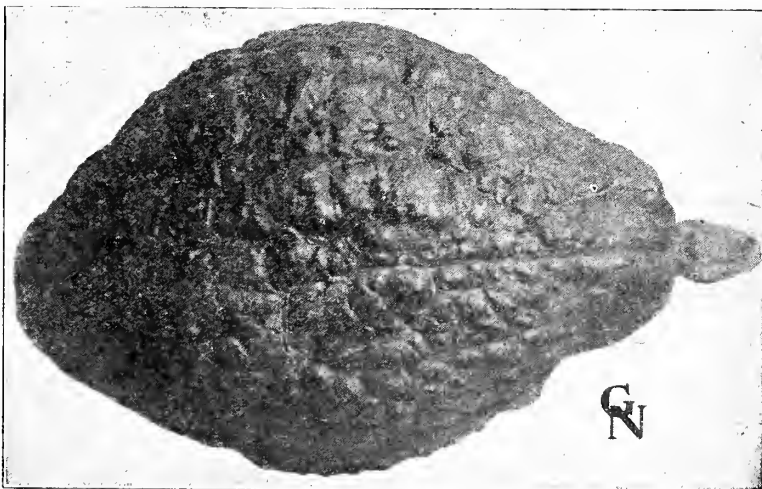
Warty Hubbard Squash, raised on my farm.

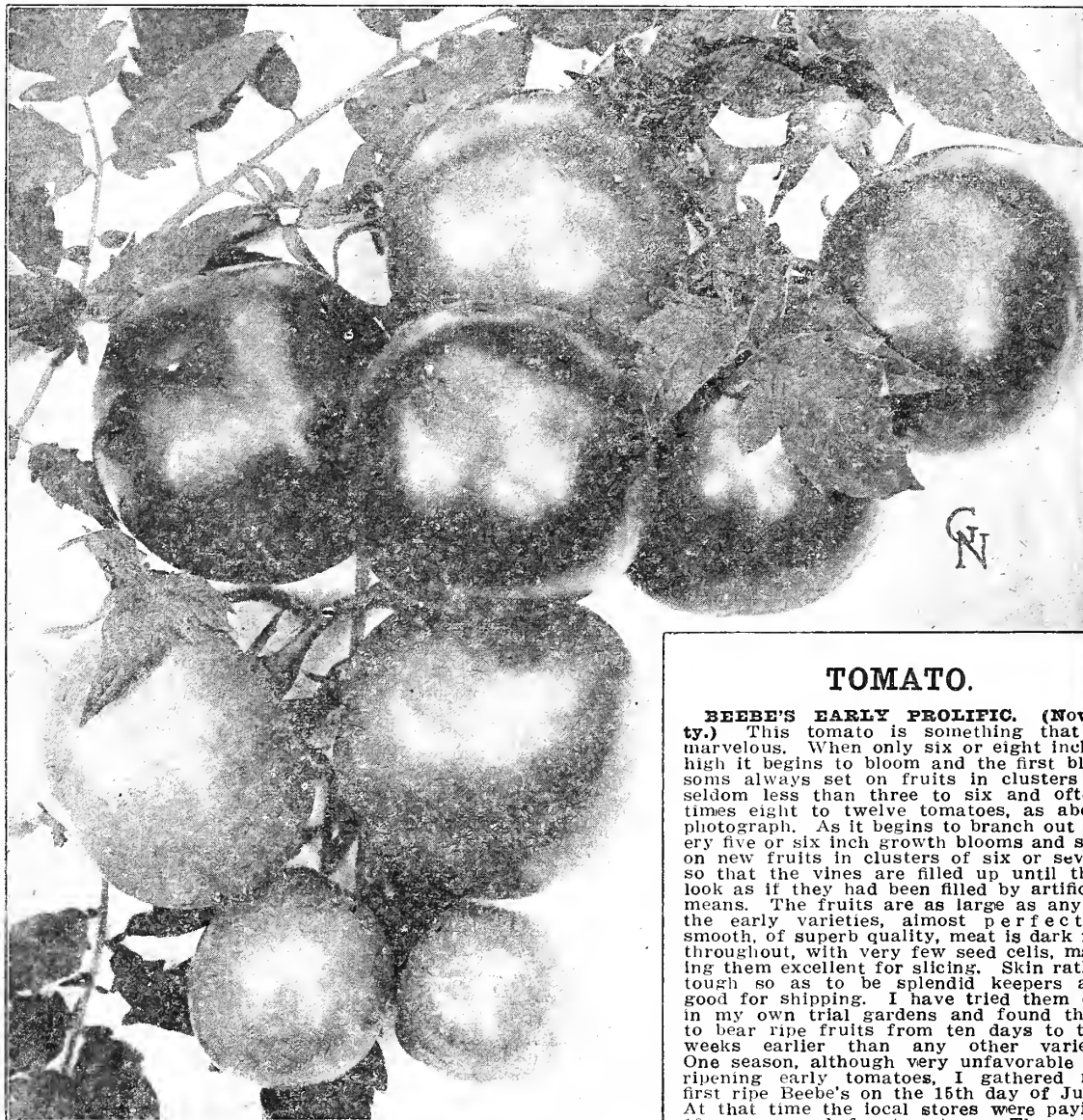


Early White Bush and Giant Summer Crookneck.



Sonderegger's
Delicious.
(See Page 95.)





TOMATO.

BEEBE'S EARLY PROLIFIC. (Nov. ty.) This tomato is something that is marvelous. When only six or eight inches high it begins to bloom and the first blossoms always set on fruits in clusters seldom less than three to six and often times eight to twelve tomatoes, as above photograph. As it begins to branch out every five or six inch growth blooms and set on new fruits in clusters of six or seven so that the vines are filled up until they look as if they had been filled by artificial means. The fruits are as large as any of the early varieties, almost perfect smooth, of superb quality, meat is dark red throughout, with very few seed cells, making them excellent for slicing. Skin rather tough so as to be splendid keepers a good for shipping. I have tried them in my own trial gardens and found them to bear ripe fruits from ten days to two weeks earlier than any other variety. One season, although very unfavorable for ripening early tomatoes, I gathered the first ripe Beebe's on the 15th day of June. At that time the local stores were paying 10c per pound for tomatoes. They all stand the dry, hot weather better than any other. They are the earliest of all tomatoes, but cut down by frost. They are really excellent everbearing tomato. You will make no mistake planting some of these splendid new tomatoes. See colored illustration on back cover page. Pkt. 20c; oz. \$1.00.

other sorts, as they were originated in the dry state of Kansas. Unlike other early varieties, they continue to bear ripe fruits until cut down by frost. They are really excellent everbearing tomato. You will make no mistake planting some of these splendid new tomatoes. See colored illustration on back cover page. Pkt. 20c; oz. \$1.00.

WHAT MY CUSTOMERS SAY ABOUT BEEBE'S EARLY PROLIFIC TOMATO.

Cedar Rapids, Ia., 3-11-17.

I must write you about the Beebe's Early Prolific Tomato seeds I purchased from you last year. They sure were a nice lot of tomatoes. We had one bush that had about 4 dozen tomatoes on; just one branch that was about 14 inches long, had 12 tomatoes on it and not a single leaf. When they ripened I called two of my neighbors over and showed them to them, and they said they never seen anything like them.

FRANK L. DVORAK.

Buffalo, Okla., Oct. 14, 1916.

I planted Beebe's Early Tomato seed in March but lost the first that came up, April 8th, by a hard freeze, and a few more plants came up. I set them out on May 28. They (about 300) did well; they made good although it never rained any since June 24th. We have had one of the longest drouths in many years. I planted the Dwarf Champion and the Kansas Standard and neither of them did me any good, while Beebe's were heavily loaded. I can't say too much for Beebe's Tomatoes.

J. S. ANDERSON, Box 57.

I got a package of your Beebe's Tomatoes two years ago. Have had good success with them both years. 1915 was an extremely wet season, 1916 was rather dry, but my tomatoes grew and bore abundantly. We

had 50 plants and canned 150 quarts, had all we could eat, sold and gave away three bushel and there were two bushel on the vines that we gathered before the frost caught them.

P. O. HAWKINSON

Milmay, N. J., Feb. 4, 1916.

The Beebe's Early Prolific Tomatoes were the best I ever raised. I sold \$14 worth tomatoes, and we ate all we could eat and canned 64 jars.

ERICH HENSEL, Box 18.

Albuquerque, N. M., Sept. 28, 1916.

Will say that we are very well pleased with the Beebe's Early Prolific Tomatoes and that our crop has been a very good one. We raised the plants in hot houses and transplanted them. A frost almost froze them to the ground and for some time it looked as though we were not going to have any at all. They grew up again and we have had a very heavy crop and are still picking them. They seem to be well ahead of all other early varieties; had not the frost come on we would have had them two weeks ahead of any of the Earliana. We will grow them again next year. It is different than most of the tomatoes, it grows just as good on rich land as the poor; I mean the crop just as heavy. Other years with other varieties they all grow into leaves.

BLUEHER'S GARDENS.

TOMATO.

One ounce of seed for 2000 plants. Well manured, light sandy soil is the best. For early plants sow seed in boxes or hotbeds in March. When the plants are about 2 inches high, transplant to four inches apart each way. Set out of doors as soon as danger of frost is over. Transplant carefully four feet apart each way, and cultivate well as long as vines will permit. To obtain early fruit pinch off the ends of the branches when the first fruit is set.

EARLY JUNE. (Novelty.) This splendid new tomato ripens earlier than Earliana. The plants are vigorous and of extremely quick growth, yielding large, well shaped fruits in great abundance. It is smooth, of bright red color, almost seedless, the flesh thick, firm and flavor delicious. Its main points are earliness, large size and fine flavor. Pkt. 15c; ½ oz. 60c; oz. 85c.

EARLY MINNESOTA. This is considered the earliest of all other tomatoes with the exception of our Beebe's Early Prolific. Vines vigorous, producing smooth fruits of fair size, good shape and dark red color. Pkt. 5c; oz. 30c; ¼ lb. \$1.00, postpaid.

SPARK'S EARLIANA. Extremely early, of large size and beautiful bright red color. Its solidity and fine quality are equal to the best late sorts. The plants are very compact, with stout jointed branches. It is enormously productive. Fruit is even in form and smooth, very fleshy, solid and excellent for shipping purposes. Pkt. 5c; oz. 30c; ¼ lb. \$1.00 postpaid.

CHALK'S EARLY JEWEL. Large, handsome fruits, very solid, deep through, being almost round or ball shaped. Flesh thick, bright scarlet, solid, with comparatively few seeds and of sweet flavor; skin thin, but sufficiently strong to make it a good shipper. Pkt. 5c; oz. 25c; ¼ lb. 85c.

NEW GLOBE. Extra good all round sort, of distinct globe shape. Among the earliest in ripening. The fruits are of a large size, always smooth, of firm flesh and has few seeds; ripens evenly; color a fine glossy rose, tinged with purple. Heavy yielder and of finest flavor. Pkt. 10c; oz. 40c; ¼ lb. \$1.25, postpaid.



New Stone.

IMPROVED TROPHY. One of the best. Fruit large, smooth, of very deep color and a good flavor. A well known variety and largely planted. Pkt. 5c; oz. 25c; ¼ lb. 75c, postpaid.



Chalk's Early Jewel.

BEAUTY. Vines large, vigorous and heavy bearers. Fruit large, uniform in size, very smooth, excellent flavor, color crimson-purplish. Pkt. 5c; oz. 25c; ¼ lb. 75c postpaid.

RED PEACH. The fruit is of uniform size, resembling a peach in shape, size and color. It is a profuse bearer until killed by frost, and has an agreeable, very fine, mild flavor. It is desirable for eating from the hand as well as for canning. Pkt. 5c; oz. 20c; ¼ lb. 65c.

DWARF CHAMPION. Its habit of growth is not only dwarf and compact, but the stem, being thick, stiff and short jointed, it is almost self-supporting when laden

with fruit. It is early, of a purplish-pink color, smooth, solid and of fine quality. Pkt. 10c; oz. 40c; ¼ lb. \$1.25.

KANSAS STANDARD. Very rapid growth, strong stalks; color bright red; shape round, slightly flattened, perfectly smooth; meat solid and thick, of excellent flavor. Good size, fine for shipping and first-rate keeper. Pkt. 10c; ½ oz. 30c; oz. 50c; ¼ lb. \$1.25 postpaid.

NEW STONE. It ripens for main crop, is very large and of bright scarlet color, very smooth, ripening evenly to the stem without a crack; exceedingly solid and firm fleshed. Pkt. 5c; oz. 30c; ¼ lb. \$1.00.

PONDEROSA. The largest fruited tomato. While the fruits often attain a weight of one pound each, they are generally ridged and not as smooth as some of the smaller varieties, but solidly fleshy, with small seed cells and of fine, sweet flavor. The vines are of strong growth; fruits are largely oblong in form and of deep purple color. If you want an extra large tomato of fine flavor, I would recommend to plant Ponderosa, as they have proven very satisfactory in my garden. Pkt. 10c; oz. 40c; ¼ lb. \$1.00.

GOLDEN QUEEN. Best large yellow variety. Ripens very evenly, fruit is smooth, of good quality and fine flavor. Fine for the home garden and a good yielder. Pkt. 5c; oz. 30c; ¼ lb. \$1.00.

SMALL TOMATOES.

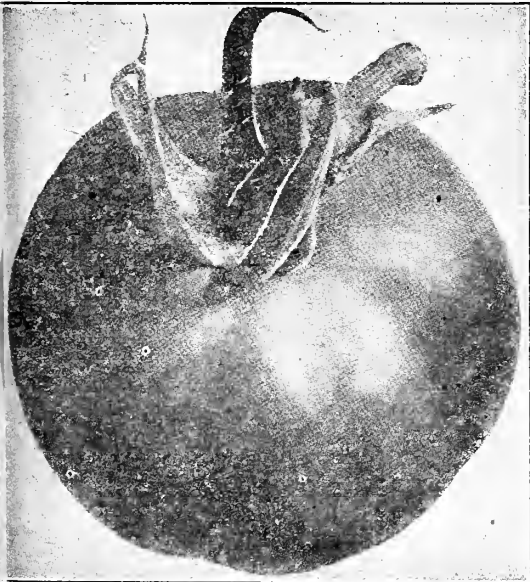
Excellent for Preserves and Pickles.

YELLOW PEAR SHAPED. Bright yellow, distinctly pear shaped, of rich flavor. Pkt. 5c; oz. 30c.

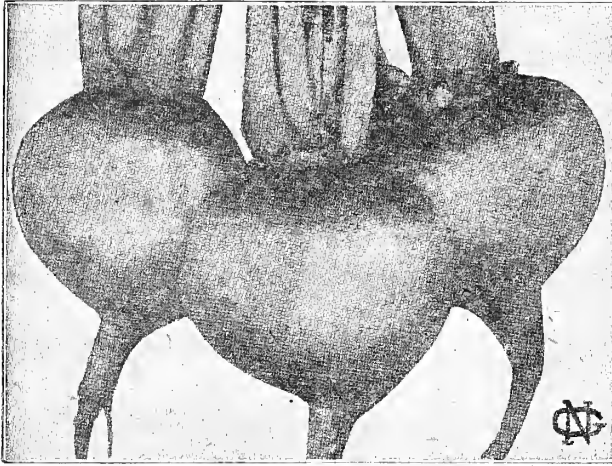
YELLOW PLUM. Plum shaped, deep yellow, fine flavor. Pkt. 5c; oz. 30c.

RED CHERRY. About five-eighths inch in diameter, borne in clusters. Pkt. 5c; oz. 30c.

GROUND CHERRY. Husk or Strawberry Tomato. Fruit golden yellow, size of a cherry. The fruits are enclosed in a husk. Excellent for preserves, sauce or pies; very productive. Directions for preserving sent with each packet. Pkt. 5c; ½ oz. 15c, oz. 25c.



Kansas Standard.



Purple Top White Globe Turnip.

EXTRA EARLY PURPLE TOP MILAN. The earliest in cultivation. Of medium size, quite smooth, with a bright purple top; the leaves are few and short. Flesh of choicest quality, solid, fine grained. Pkt. 5c; oz. 20c; ¼ lb. 60c; lb. \$2.25, postp.

EXTRA EARLY WHITE MILAN. Very similar to the preceding, except the skin is pure white. My experience with both of these varieties has been that they will do better planted late for early fall use, than planting in the early spring. Pkt. 5c; oz. 20c; ¼ lb. 60c; lb. \$2.25, postpaid.

EARLY SNOWBALL. A globe-shaped, white-skinned turnip, very fine grained, firm, and of delicate flavor. One of the best keeping of white fleshed sorts, very early and particularly adapted for family and market use. A popular sort of which I sell large quantities of seed year after year. Pkt. 5c; oz. 20c; ¼ lb. 50c; lb. \$1.90, postpaid.

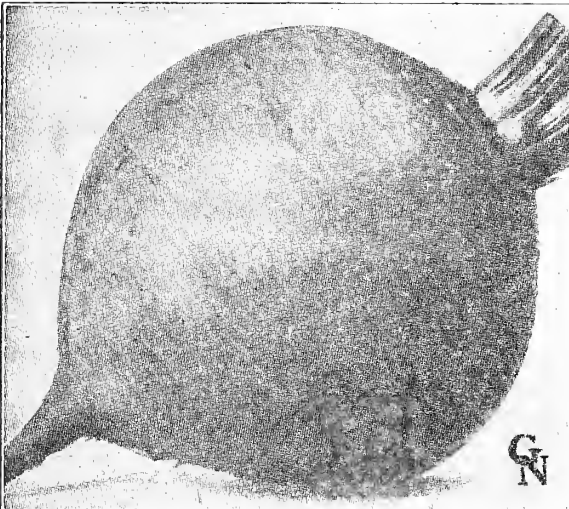
EARLY WHITE FLAT DUTCH. A most excellent early garden variety. Roots medium size, flat, color white; very early, sweet and tender. Pkt. 5c; oz. 20c; ¼ lb. 50c; lb. \$1.90, postp.

GOLDEN BALL. One of the best and sweetest fleshed turnips. Not of large size, but firm, hard and of the most excellent flavor. Keeps well; excellent quality. Many of my customers prefer a yellow fleshed turnip and the Golden Ball is by far the finest of them all. It has given the best of satisfaction everywhere. Pkt. 5c; oz. 15c; ¼ lb. 30c; lb. \$1.10, postp.

DANISH BORTFELDER. This splendid root has been awarded first class certificates several times by the Danish government, as the most productive of all Turnips, and is considered the best in Scandinavia. Long root, cream color, delicate green tops, rapid grower, heavy cropper and excellent keeper. Especially desirable for stock feeding. Pkt. 5c; oz. 20c; ¼ lb. 50c; lb. \$1.90, postpaid.

RUTABAGAS OR SWEDES.

These require a longer season than Turnips do. For table use, they usually keep better and are slightly better flavored than the Turnip. For feeding stock in fall or winter there is nothing superior to Turnips and Rutabagas, as they are liked by all kinds of stock and keep them in good condition.



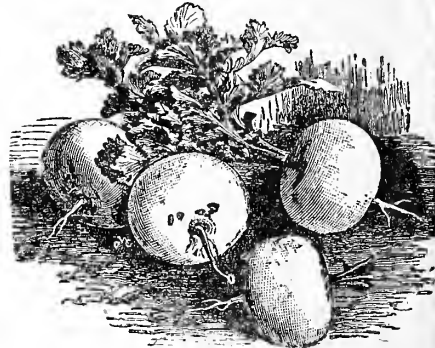
Sweet German Rutabaga

TURNIP.

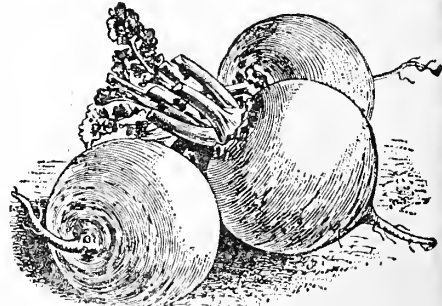
One ounce will sow 125 feet of drill. Two pounds per acre in drills, three pounds broadcast. Turnips do best in highly enriched sandy or light loamy soil. Commence sowing the earliest varieties in April, in drills from 12 to 15 inches apart and thin out to nearly six to eight inches in the row. For late planting or main crop, sow in July and August.

PURPLE TOP STRAP LEAVED. Superior for early or late planting. Round and flat good sized, small top, with but few leaves; flesh very fine grained. A splendid keeper. Pkt. 5c; oz. 20c; ¼ lb. 50c; lb. \$1.90, postpaid; 5 lbs., not prepaid, \$9.00.

PURPLE TOP WHITE GLOBE. This is the most popular of all market turnips. The shape is globular and of good size, and in appearance it is the best looking of all varieties, the white globe surface having an uneven purple edging at the top. The flesh is firm, fine grained, white, and of most excellent flavor. It is a fine keeper, equally desirable for table and stock. An immense producer and good keeper. Pkt. 5c; oz. 20c; ¼ lb. 50c; lb. \$1.90, postpaid; not prepaid, 5 lbs. \$9.00.



Early Snowball Turnip.



Golden Ball Turnip.

PURPLE TOP YELLOW. Is considered the best yellow fleshed variety. It is of fine quality and is widely grown. It keeps perfectly all winter and even into the following summer. It is justly held in high esteem for both table and stock feeding purposes and can be relied upon for general cultivation in all sections. Pkt. 5c; oz. 15c; ¼ lb. 40c; lb. \$1.50, postpaid.

SWEET GERMAN. Flesh pure white and very sweet; grows to a large size, always yields well and is a good keeper. The quality is all that can be desired. For table use and for stock feeding it is one of the best. Pkt. 5c; oz. 15c; ¼ lb. 40c; lb. \$1.50, postpaid.

WHITE RUSSIAN. One of the finest Rutabagas, a heavy yielder and very hardy. Keeps in good condition until late in spring. Quality very good, sweet and tender. This is a newer variety that has given splendid satisfaction everywhere and is in great demand for market and table use, also very good for stock feeding. Pkt. 5c; oz. 15c; ¼ lb. 40c; lb. \$1.50, postpaid.

Neosho Rapids, Kans., Apr. 23-17.

I have used the New Globe Tomato before and think it fine. I have had them weigh almost 1½ lbs., which, I think, is very good, as quite a few people around here can say the same.

MRS. IDA M. KELLY.

AROMATIC, SWEET, POT AND MEDICINAL HERBS.

Herbs in general, delight in rich, mellow soil. Sow early in the spring in shallow drills one foot apart; when up a few inches thin out to proper distance to transplant. Some of them have very fine seed, and it is only necessary, after the seed is sown, to press the ground with a board. For flavoring fruits, meats, etc., a few pot and sweet herbs are necessary for every garden. If they are to be used during winter, the stalks should be cut on a dry day, when not quite in full bloom, then be dried quickly in the shade, and when dry be packed closely in boxes, with the air entirely excluded.

Many of the herb seeds can be imported only from Germany, and since the war I have been unable to get them. So I have decided to list all the varieties I can get in dried leaves this year.

NOTICE.—The Dried Herb leaves are not put up in less than one-ounce packets. Prices are all postpaid.

ANISE. Used for garnishing, seasoning and for cordials. The seeds have an agreeable aromatic taste. Pkt. 5c; oz. 20c; ¼ lb. 75c. Seeds only.

ARTEMESIA. (Mugworth.) Is used for flavoring of stews, roasts, etc. No seeds. Dried leaves, oz. 10c; ¼ lb. 35c.

BALM. The leaves are used for the making of balm wine, a pleasant beverage and tea used in fevers. Pkt. 10c; oz. 35c. Dried leaves, oz. 10c; ¼ lb. 35c.

BASIL, SWEET. The leaves are used for flavoring soups, stews, etc., also for garnishing. Pkt. 10c; oz. 30c. Dried leaves, oz. 35c; ¼ lb. \$1.00.

BORAGE. Leaves used for salads. Flowers excellent for bees. The flower spikes can also be used in cool drinks. Flowers very aromatic. Pkt. 10c; oz. 20c. Seeds only.

CARAWAY. Seeds are used for flavoring bread, pastry, meats, etc., also used in confectionery and medicine. Pkt. 5c; oz. 15c; ¼ lb. 40c. Seeds only.

CASTOR OIL PLANT. The seeds yield Castor Oil. Pkt. 5c; oz. 15c; ¼ lb. 30c. Seeds only.

CHERVIL. Leaves used for garnishing and flavoring. Also for salads. Pkt. 5c; oz. 15c. Seeds only.

CHIVES. Used for seasoning. Onion flavor. Pkt. 25c. Seeds only.

CORIANDER. Seeds are aromatic. Used for flavoring and in the manufacture of liquor and confectionery. Leaves used for garnishing. Pkt. 10c; oz. 25c. Seeds only.

DILL. Leaves and seeds are used for the flavoring of soups, sauces, preserves and pickles. Pkt. 10c; oz. 25c; ¼ lb. 75c. Seeds only.

FENNEL. Leaves are used for garnishing, seeds for flavoring. The leaves boiled are used in fish sauces. Pkt. 10c; oz. 30c. Seeds only.

HOREHOUND. Leaves are used for flavoring. Also used in the manufacture of cough remedies. No seeds. Dried leaves, oz. 10c; ¼ lb. 35c.

LAVENDER. An aromatic medicinal herb, but the plant is chiefly grown for its flowers, which are used in the making of perfumes. The dried leaves, put in paper bags, are used to perfume linen and to keep out moths. Pkt. 15c; oz. 40c. Dried leaves, oz. 15c; ¼ lb. 50c.



Summer Savory.



Marjoram.

MARJORAM, SWEET. Used for flavoring. The leaves and the shoots may be dried for winter use. Pkt. 5c; oz. 20c. Dried leaves, oz. 15c; ¼ lb. 50c.

MUSTARD, WHITE. For salad or culinary purposes. Pkt. 5c; oz. 10c; ¼ lb. 25c. Seeds only.

OPIUM POPPY. Medicinal herb. Pkt. 15c; oz. 40c. Seeds only.

PEPPERMINT. For flavoring and in cool drinks. No seeds. Dried leaves, oz. 10c; ¼ lb. 35c.

ROSEMARY. Leaves used for seasoning. The oil from the flower is used in perfumery. No seeds. Dried leaves, oz. 10c; ¼ lb. 35c.

RUE. Medicinal. Good for fowls for the roup. Pkt. 10c; oz. 40c. Dried leaves, oz. 15c; ¼ lb. 50c.

SAFFRON. Used for coloring and flavoring. Pkt. 10c; oz. 35c. Dried leaves, oz. 15c; ¼ lb. 50c.

SAGE. Leaves used for seasoning and dressing; also in medicine. Pkt. 10c; oz. 30c. Dried leaves, oz. 10c; ¼ lb. 35c.

SORREL, LARGE LEAVED. For boiling "greens" or used as a salad. Cook like spinach. Pkt. 10c; oz. 30c. Seeds only.

SUMMER SAVORY. Plant is aromatic. Leaves and young shoots used for flavoring, especially with boiled string beans, also for dressing. Pkt. 5c; oz. 20c. Dried leaves, oz. 10c; ¼ lb. 35c.

TANSY. An aromatic medicinal herb. Leaves are used for tea and in bitters. No seeds. Dried leaves, oz. 10c; ¼ lb. 35c.

TARRAGON. Valued for seasoning and culinary purposes. Pkt. 15c. Seeds only.

VALERIAN. For medicinal purposes. No seeds. Dried leaves, oz. 20c; ¼ lb. 70c.

SWEET WOODRUFF. For flavoring wine. Well known ingredient of the German "Maitrank." Shoots also used for scenting clothes. No seeds. Dried leaves, oz. 20c; ¼ lb. 70c.

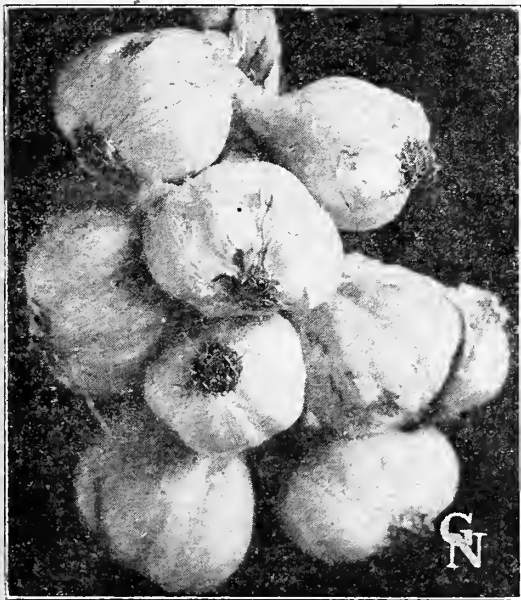
THYME. Medicinal and culinary herb. Young leaves and tops used for soups, dressing, sauce, either green or dry. Thyme tea is a cure for nervous headache. Pkt. 10c; oz. 30c. Dried leaves, oz. 10c; ¼ lb. 35c.

WORMWOOD. Medicinal herb. Beneficial for poultry and should be planted in every poultry yard. Pkt. 5c; oz. 20c. Dried leaves, oz. 15c; ¼ lb. 50c.

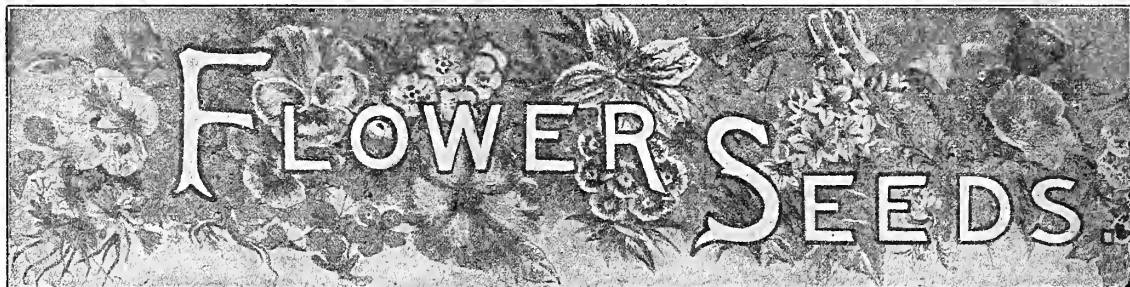
WINTER THYME. True Winter or Perennial. It is used same as Thyme. Pkt. 10c. Seeds only.

GARLIC.

The most pungent of all the onion family. The root or bulb is composed of many small bulbs called "cloves," which are planted in the spring six to eight inches apart, and in August the bulbs are ready to gather. Large bulbs. ½ lb. 25c; lb. 40c, postpaid.



Garlic.



On the following pages I offer the best varieties of choice Flower Seeds. My seeds are fresh and of unsurpassed quality, grown by the best growers of this country and Europe. Quality is always my first consideration. There is no space so small that there is not room for a few of these beautiful flowers, and with a small outlay a succession and abundance of bloom can be obtained.

On account of the war conditions in Europe, I have been unable to get all the varieties that I listed in previous years, therefore my list is not as complete this year as it has been, and the prices on some varieties somewhat higher. But nevertheless, my packets contain a liberal quantity of seed, more than is generally sent out by other firms.

ANNUALS bloom and ripen from the seed the first year and then perish. They are marked "A" after name.

PERENNIALS continue flowering several years in succession. Many of them bloom the first year. They are marked "P" after name.

I have cultural directions printed on all packets. For best results please follow them very closely. All Flower Seeds are sent postpaid by parcel post on receipt of price.

SHOWY FLOWERING ANNUALS FOR BEDS AND MASSING.

See Page	See Page
Abronia .....103	Gaillardia .....107
Ageratum .....103	Godetia .....107
Alyssum .....103	Lantana .....108
Antirrhinum .....103	Linum .....108
Asters .....103	Lobelia .....108
Balsams .....104	Lupinus .....108
Calendula .....105	Marigold .....108
Calliopsis .....104	Nasturtium, Dwarf .....109
Candytuft .....105	Nigella .....109
Canna .....105	Pansy .....110
Carnation .....104	Petunia .....109
Celosia or Cockscomb .....105	Phlox Drummondii .....110
Chinese Woolflower .....105	Poppo .....111
Chrysanthemum .....105	Portulaca .....110
Cosmos106	Salvia Splendens111
Dahlias106	Stocks112
Dianthus (Annual)107	Verbena113
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Cosmos106	Ricinus111
Datura106	Salvia Splendens111
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Larkspur106	Sunflower112
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Baleam Apple114	Kudzu Vine114
Canary Bird Vine114	Moonflower114
Coboea114	Morning Glory114
Cypress Vine114	Nasturtium109
Dolichos114	Sweet Peas112
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Asperula104	Matricaria108
Calliopsis104	Pansy110
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Chocolate Flower105	Scabiosa111
Chrysanthemum105	Schizanthus111
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The following varieties should be started in boxes early in spring and later transplanted to the open ground. All other varieties which I list can be started in the open ground.

Ageratum103	Cosmos106	Ice Plant108	Petunia109
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Asperula104	Dianthus107	Moonflower114	Schizanthus111
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Cineraria106	Forget-me-not107	Nigella109	Verbena113
Coboea Scandens114	Gaillardia107	Palms109	Vinca113
Cockscomb105	Heliotrope107	Pansy110	Violet113
Coleus105	Hollyhock108	Passion Flower114	Wallflower113

ASTERS. A.

Asters are of easy culture. The seed can be sown in the open ground in May and the plants will then bloom in September and October. For earlier blooming sow in March or April, in cold frame or hotbed, or boxes in the house. Seed should not be covered more than $\frac{1}{4}$ inch.

WHITE GIANT COMET OR POODLE ASTER. The handsomest of the tall asters. Resembles Japanese Chrysanthemums. Pkt. 10c.

ROSE GIANT COMET. Very large, double flowers of rose color, resembling the finest Chrysanthemums. Pkt. 10c.

CRIMSON GIANT COMET. The large, double, chrysanthemum-like flowers are of a beautiful crimson color and very free blooming. Pkt. 10c.

PURPLE GIANT COMET. The flowers are large, double, resembling the finest chrysanthemums and of a purple color. Pkt. 10c.

COMET OR BRANCHING. Flowers large, very double, with long stems. Best cut flowers. Mixed. Pkt. 10c.

HOHENZOLLERN. Larger than Giant Comet, the petals longer, more curled. Blooms very abundantly on long stems. Finest cut flower. Mixed. Pkt. 10c.

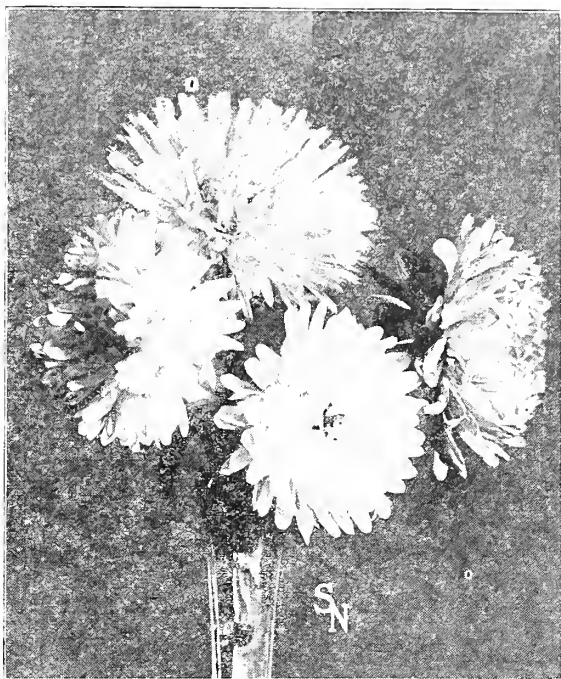
IDEAL EVERBLOOMING. Produces more good cut flowers than any other kind. In bloom from August to October. Pkt. 10c.

PAEONY FLOWERED. Plants 12 to 18 inches high. Flowers large, extra double, mixed colors. Pkt. 10c.

VICTORIA. Magnificent sort, 20 inches high, free bloomer, very double; colors distinct and brilliant. Finest mixed. Pkt. 10c.

DWARF CHRYSANTHEMUM. The finest of all dwarf asters; with large, beautiful flowers in brilliant colors. Mixed. Pkt. 10c.

GERMAN QUILLED or Japanese Needle Aster. Nice, double flowers, very free blooming. Mixed. Pkt. 10c.



Comet Mixed Asters, raised in my garden.

MANY KINDS MIXED. Very superior. Pkt. 5c.

SINGLE FLOWERING. True China Aster. Fine assortment of colors. Pkt. 5c.

PERENNIAL. P. Hardy Alpine Aster. Single flowering hardy herbaceous plants. If sown early will flower first season. Mixed. Pkt. 10c.

ABRONIA. A.

GRANDIFLORA. Flowers are rosy-lilac, and sweet scented. For beds, borders and hanging baskets. Pkt. 5c.

AGERATUM. A.

BLUE. Very pretty sky-blue flowers. Nice for borders. Pkt. 5c.

ALYSSUM. A.

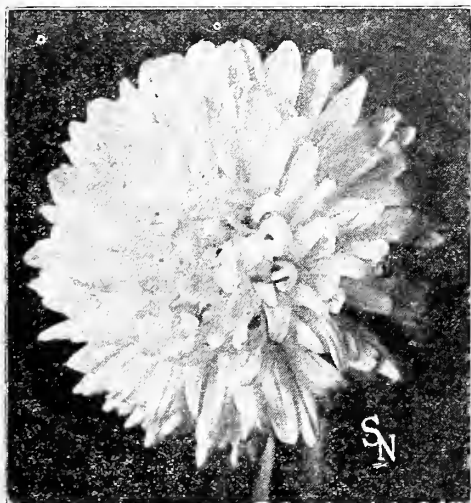
SWEET. Flowers white, fragrant, easily grown in boxes, vases and beds. A good border plant. Pkt. 10c; $\frac{1}{4}$ oz. 20c.

CARPET OF SNOW. Of dwarf, dense growth, completely covered with snow white flowers. Blooms all summer. Nice for borders. Pkt. 10c; $\frac{1}{4}$ oz. 25c.

AMARANTHUS. A.

CAUDATUS. (Love Lies Bleeding.) Very large, handsome, drooping flower spikes of blood-red color. 3 ft. high. Pkt. 10c.

TRICOLOE. Handsome foliage plant. Leaves yellow, red and green. Well known as "Joseph's Coat." 3 feet high. Pkt. 10c.



Hohenzollern Aster, raised in my garden.

ANTIRRHINUM. A. (Snapdragon.)

They do not receive the attention they deserve. One of the best cut flowers. Easily grown from seed; excellent for beds and borders.

GIANT FLOWERED. Flowers are very large and fragrant, produced in long spikes all summer. Pkt. 10c.

DWARF MIXED. Plants grow 1 foot high. Pkt. 5c.

TALL MIXED. Plants grow 2 feet high. A nice mixture of many shades and colors. Pkt. 5c.

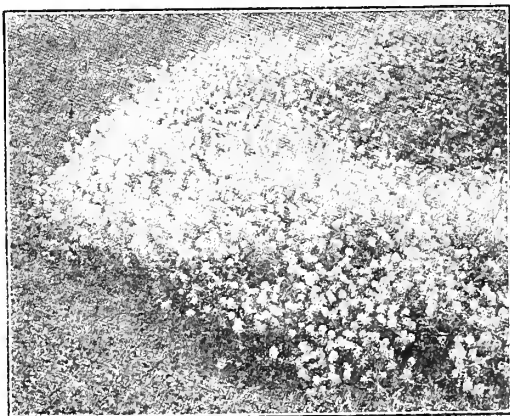
AQUILEGIA. P. (Columbine.)

TRUE ROCKY MOUNTAIN. Colorado's emblem flower. Free flowering; for permanent borders, etc. Blossoms light blue. Pkt. 10c.

SINGLE AND DOUBLE MIXED. All colors mixed. Pkt. 10c.

ARABIS. A.

ALPINA. (Snow in Summer.) Very early white spring flower. Dwarf, fine for edging. Quite fragrant. Pkt. 10c.



Alyssum, Carpet of Snow.



German Carnation.

daily scores of large, blue, butterfly-like blossoms. Pkt. 10c.

CALCEOLARIA. P.

Produces a mass of beautiful pocket-like flowers. A favorite for house culture and conservatory. Finest mixture Pkt. 25c.

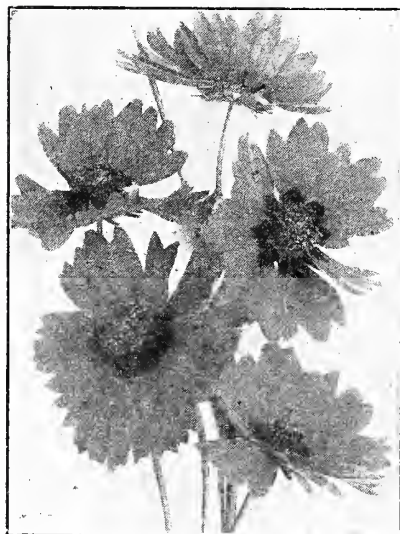
CALLIOPSIS. A.

One of the showiest of garden flowers, covered with hundreds of flowers from July to October. Of easiest culture. Grows two feet high. Fine cut flowers.

GOLDEN WAVE. Plants very bushy and compact. Two feet high. Flowers beautiful golden yellow with dark center. Pkt. 5c.

GOLDEN RAY. Bright, showy flowers of rich purplish-brown, turning golden yellow toward the end of each petal. Eight inches high. Pkt. 10c.

FINEST MIXED. Many varieties in mixture. Pkt. 5c.



Calliopsis.

DOUBLE MIXED. Fine double flowers, free bloomer. Splendid for cut flowers. Grows 15 inches high. Choice varieties in mixture. Pkt. 5c.

CARNATION. P.

For house and garden culture. Flowers are large and fragrant.

DOUBLE GERMAN. Finest mixed. Sweet scented, double, large flowering sorts. Best for house culture. Pkt. 15c.

EVER-BLOOMING FRENCH. Flowers large, very double, deliciously sweet and of rich color. Blooms in four months from seed Pkt. 20c.

SCARLET GRENADIN. Flowers double, large, rich scarlet. Lives through the winter with but little protection. Pkt. 10c.

MARGUERITE. The beautiful, fragrant flowers are in bloom four months after time of seeding. Blooms nearly all of the time. Mixed colors. Pkt. 10c.

GIANT MARGUERITE. Will bloom about four months after sowing, and continue all through the summer. Flowers are very large, measuring three inches in diameter, colors are beautiful. Pkt. 10c.

The seed we got from you is first class and hard to beat, as I am dealing with you for over 12 years and no fault found yet and always pleased.
G. A. DEEMER,
Blasidon, Pa.

ARCTOTIS GRANDIS. A.

AFRICAN LILAC DAISY. Pure white on top surface and reverse side of petals pale lilac blue. Blooms all summer. Pkt. 10c.

ARMERIA. P.

MOUNTAIN PINK. Flowers grow in large tufts, rosy pink. Beautiful for edging. Pkt. 10c.

ASPERULA. A.

AZUREA. Fragrant light blue flowers. Thrive well in shady places. Pkt. 5c.

BALSAM. A. (Lady Slipper.)

One of the most beautiful annuals. Flowers brilliantly colored, very large and double. Balsams like rich soil and a sunny situation.

CAMELIA FLOWERED. Very double, extra large flowers of rich color. Finest mixed. Pkt. 10c.

DOUBLE WHITE. Flowers are extremely double, very large, of true Camelia shape. Pkt. 15c.

ROSE FLOWERED. Splendid rose-like flowers of brilliant colors. Pkt. 10c.

DWARF DOUBLE MIXED. Finest mixture of double varieties. Pkt. 5c.



Balsam Double White

NIGHTBLOOMING. (Nycteria.) Flowers single, pure white, emitting a strong heliotrope perfume after sundown. Pkt. 5c.

BRACHYCOME. A.

SWAN RIVER DAISY. Of dwarf growth, very free flowering. Suitable for edging, small beds or pot culture. Blooms freely nearly all summer. Pkt. 10c.

BUTTERFLY PLANT. A.

COMMELINA. Plants are of graceful, trailing habit, superb for carpet bedding. In pots it will bloom every day in the year. In the garden from May until frost, showing

CALENDULA. A.

Will grow in any soil and bloom all summer. Excellent for bouquets and vases. One foot high. Sow seed outdoors quite early. Mixed colors. Pkt. 5c.

CAMPANULA. P.

(Canterbury Bells.)

Hardy perennial favorites, bearing large bell-shaped flowers in profusion. Grows in light sandy soil.

DOUBLE MIXED. Double flowering varieties of all sorts and colors. Pkt. 5c.

SINGLE MIXED. Many colors. A splendid assortment. Pkt. 5c.

CUP AND SAUCER. Bell-shaped flowers, nearly 4 inches across, in form of a saucer. Mixed. Pkt. 10c.

CANDYTUFT. A.

Hardy annuals that grow easily in any soil, and bloom very freely all summer. Fine for solid beds and edging.

DWARF EMPRESS. About 8 inches high, covered with extra large, pure white flowers. Pkt. 10c.

ALL COLORS MIXED. A good assortment. Pkt. 5c.

WHITE ROCKET. Large white flowers. One foot high. Pkt. 5c.

CANNA. A.

Stately plants of luxuriant and tropical appearance. Easily grown from seed. Will bloom the first year.

LARGE FLOWERING. Best varieties mixed. Pkt. 5c; ½ oz. 20c.

MADAME CROZY. Dark leaved varieties. Pkt. 5c; ½ oz. 20c.



Chinese Woolflower, raised in my garden.

CELOSIA or COCKSCOMB. A.

Handsome garden and pot plants, bearing large combs of crimson, pink or golden striped color.

DWARF MIXED. Splendid mixture of dwarf sorts. Pkt. 10c.

CENTAUREA. A.

Also called Bachelor's Button, Blue Bottle, Ragged Sailor, Corn Flower. Flowers freely in any situation and requires little care.

MIXED. Many varieties mixed. Pkt. 5c.

AMERICAN. Grows 3 feet high. Large ball-like flowers of heliotrope color. Fragrant. Valuable cut flowers. Pkt. 10c.

DOUBLE. Beautiful double flowers of many colors. Pkt. 5c.

EMPEROR. Lovely dark blue flowers of many shades. Pkt. 5c.

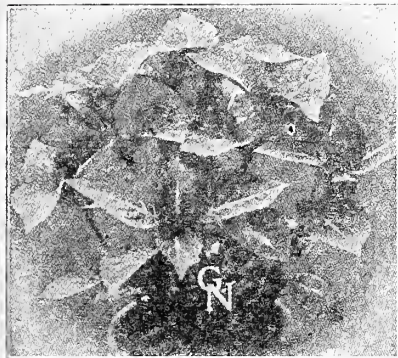
GYMNOCARPA. (Dusty Miller.) Finely cut, silvery-white leaves

Showy foliage plants for borders. 1½ feet high. Pkt. 5c.

MARGUERITA. Large, pure white flowers, sweet scented. Fine for cutting. Pkt. 5c.

CHOCOLATE FLOWER. A.

Two and one-half feet high. Bears numerous long stemmed flowers of a peculiar chocolate brown color and sweet odor. Fine cut flower. Blooms July to October. Pkt. 10c.



Coleus.

CHINESE WOOLFLOWER. A.

CELOSIA PLUMOSA. This recent novelty is the most interesting and beautiful of the Celosias. The flowers appear like large balls of red wool, especially the one at the tip of the main stem. Each of the numerous side branches also produces flowers at each tip, although somewhat smaller. Here the plant commences to bloom the last part of July and continues until cut down by frost. The flowers do not fade, but increase in size and brilliancy throughout the season; as a cut flower I have kept them in good shape for over two weeks. They are excellent for bedding, or as specimen plants; are easily grown from seed, just like the old Cockcomb. In a bed plants should not be planted over 10 inches apart. Height of plant, 2 to 3 feet. Pkt. 15c; 2 pkts. for 25c.

CHRYSANTHEMUM. A.

These hardy annuals are showy and effective border plants, extensively grown for cut flowers.

DOUBLE AND SINGLE MIXED. Pkt. 5c; ¼ oz. 15c.

EVENING STAR. Flowers pure golden yellow and 3 inches in diameter. Bloom about ten weeks after sowing, until frost. The petals remain firmly extended in the rain and sunshine. Pkt. 10c.

MAXIMUM. P. Ox-Eyed Daisy. Free blooming hardy perennial.

PERENNIAL. Chinese and Japanese varieties. Will bloom in fall from seed sown in March. Flowers large, very double. Pkt. 10c.

COLEUS. A.

Handsome foliage plant, easily grown from seed. Leaves large and rich in color. 2 feet high. Mixed. Pkt. 15c.



Centaurea.



Cosmos.

CINERARIA. P.

For pot culture. Large, beautiful flowers. The extreme grace and elegance of the plant and flower makes it effective for decorations. Pkt. 20c.

COSMOS. A.

Grows and blooms with the greatest freedom in any soil. Flowers daintily, of brilliant colors, carried on long, slender stems. Foliage feathery and very pretty. Extra fine for cut flowers.

EARLY FLOWERING. Many varieties mixed. Will bloom from July to November. Pkt. 5c.

GIANTS OF CALIFORNIA. Flowers very large and beautiful. Handsome, fernlike foliage. Start seed early. Finest mixed. Pkt. 10c.

DAHLIA. P.

Can be easily raised from seed and will bloom profusely the first year. One of the best late summer flowering plants. Very pretty.

CACTUS FLOWERED. Flowers large, fine cactus form. Splendid mixture. Pkt. 15c.

DOUBLE MIXED. Large flowering varieties. All colors. Pkt. 10c.

SINGLE MIXED. Produce flowers of large size in greatest abundance. Pkt. 10c.

DATURA. A.

TRUMPET FLOWER. Large, trumpet-shaped flowers, very showy. Of easy culture. Double and single mixed. Pkt. 5c.

DAISIES. P.

BURBANK'S GIANT SHASTA. Flowers very large and graceful, pure white, single, grow on long, stiff, wiry stems. Pkt. 15c.

MAMMOTH BLUE DAISY OR MARGUERITE. Plants form compact, well branched bushes 12 inches high and produce in great profusion single, sky-blue mammoth flowers. Seed sown in early spring will make blooming plants by May, and bloom until frost. Pkt. 20c.

DOUBLE DAISIES. P.

Will bloom the first summer and continue to bloom for years, with slight protection in winter.

GIANT SNOWBALL. Flowers large, double, snow white on long stems. Free flowering. Pkt. 10c.

FINEST MIXED. Assortment of various kinds and colors. Pkt. 10c.

DELPHINIUM OR LARKSPUR. A.

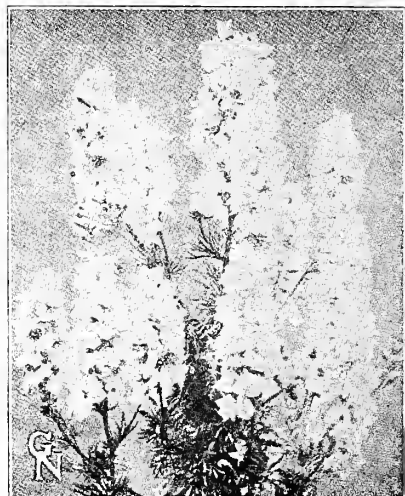
These hardy annuals are of great beauty in borders or among shrubs. The long flower spikes appear in greatest profusion.

DWARF HYACINTH FLOWERED. 2 to 3 feet high; the flower spikes resemble a double hyacinth. The colors are brilliant and delicate. Finest mixture. Pkt. 5c.

DOUBLE TALL MIXED. Produces freely long, slender flower spikes of great beauty. Plants 3 to 4 feet high. Pkt. 5c.

PERENNIAL VARIETIES.

CHINESE BLUE. 3 feet high, produces freely spikes of large blossoms in all delicate shades of blue. Pkt. 10c.



Dwarf Hyacinth Flowered Delphinium



Burbank's Giant Shasta Daisy.

NUDICAULE. 1 foot high. The only pure bright scarlet. Dwarf and compact in growth, flower stems of fine length. Pkt. 20c.

ZALIL. Flowers bright yellow, resemble finest orchids. Pkt. 10c.

PERENNIAL MIXED. Hardy perennial plants with brilliant flower spikes. Double and single flowering mixed. Pkt. 10c.

DIGITALIS OR FOXGLOVE. P.

The long flower stems are loaded with pretty flowers of delicate and varied mixed shades. 3 to 4 feet high. Pkt. 5c.

DIMORPHOTECA OR GOLDEN DAISY. A.

AFRICAN GOLDEN DAISY. A rare and showy annual from South Africa, of easy culture. Plants grow 12 to 15 inches high and are very profuse in flowering. Its Marguerite-like blossoms $2\frac{1}{2}$ to $2\frac{3}{4}$ inches in diameter, show a unique glossy rich orange gold, surrounded by a black zone. Pkt. 15c.

MIXED HYBRIDS. Same as above except that it ranges in all colors and shades from pure white to a deep salmon-orange; some varieties even have different colored zones, such as white with a broad sulphur yellow zone around the black disk or soft salmon-red inner circle, etc. Pkt. 20c.

DWARF MORNING GLORY. A.

CONVOLVULUS. Grows easily and rapidly from seed, and the plants are covered with flowers the entire season. One foot high. Pkt. 5c; oz. 20c.

DIANTHUS OR PINKS. A.

For beautiful and lasting flowers, ease of culture, and freedom of bloom, these hardy Garden Pinks have no superior among annuals. Have long been a favorite garden flower everywhere.

GIANT RUFFLED AND FRINGED. A magnificent new strain with extra large flowers. The petals are ruffled, frilled and fringed. Many colors. Pkt. 10c.

DOUBLE ROYAL PINKS. Flowers of the largest size, very double; light and dark shades. Lovely cut flowers. Pkt. 10c.

IMPERIAL CHINESE. Double flowers of great beauty and rich colors. Best mixture. Pkt. 10c.

LACINIATUS. Flowers are large, very double and finely fringed. Pkt. 10c.

HEDDEWIGII. Large double flowers. One of the most showy of all pinks. Mixed colors. Pkt. 5c.

SNOWBALL. Flowers double, very large, often 2 inches in diameter, resembling a pure white carnation. Pkt. 10c.

HEDDEWIGII, GIANT SINGLE. Immense flowers of strikingly pretty colors. Mixed. Pkt. 10c.

GRASS PINKS. P. The delicately fringed flowers are fragrant and fine for bouquets. Pkt. 10c.

ERFURT CLOVE PINKS. P. Of dwarf growth, perfectly hardy and produce immense quantities of clove scented flowers. Pkt. 10c.



Dianthus or Pinks.

ESCHOLTZIA. A. (California Poppies.)

Showy summer blooming plants, bearing a profusion of richly colored flowers. Fine for beds, edging or masses.

DOUBLE MIXED. Pretty double flowers, white, rose and yellow. In bloom from June until cut down by frost. Mixed. Pkt. 5c.

CALIFORNIA. Large yellow flowers. Pkt. 5c.

BUSH ESCHOLTZIA. (Hunnemannia.) Very beautiful plant, forming a nice bush, covered with large, cup-shaped flowers 3 inches across, on long stems. The color is bright yellow. The cut flowers keep in water for two weeks. Pkt. 10c.



Bush Escholtzia.

of this variety are white and very fragrant. Pkt. 5c.

STRIPED LEAVED. Very ornamental foliage. Blooms continuously. Mixed. Pkt. 5c.

GAILLARDIA. P.

Undoubtedly one of the choicest of the hardy perennials. Flowers very large, very numerous, and fine for cutting.

FINEST MIXED. Brilliant shades of orange, crimson, scarlet and vermillion. Pkt. 5c.

DOUBLE ANNUAL. The large double flowers are round as a ball in the most varied colors. Nice for bouquets. Pkt. 5c.

GODETIA. A.

Of easiest culture. The flowers are of handsome shape, brilliant in color and are produced in marvelous profusion. Tall mixed. Pkt. 5c.

GYPSOPHILA. P.

Also called Angel's Breath and Baby's Breath. Thrives everywhere and furnishes the loveliest material for all kinds of bouquets. Pkt. 5c.

HELIOTROPE. P.

Flowers very pretty and of delightful fragrance. A splendid bedding plant as well as suitable for house culture. Seed sown in February or March produce large flowering plants in the summer.

FINEST MIXED. Bloom the first summer. Pkt. 10c.

FORGETMENOTS. P.

Myosotis. Neat and beautiful little plants, with star-like flowers. Succeeds best in a moist situation.

ALPESTRIS. Lovely, sky-blue flowers. Pkt. 10c.

PALUSTRIS. The true water Forgetmenot. Blooms continuously. Pkt. 15c.

FOUR O'CLOCKS. A.

Also called Mirabilis and Marvel of Peru. Well known free flowering garden favorite. Does well everywhere. Give each plant 12 to 15 inches of room. Will grow splendidly along the fence, requiring no care and blooming freely. Flowers are closed in the day time, but will open towards evening or on cloudy days.

DWARF MIXED. Many colors in a good mixture. Pkt. 5c.

SWEET SCENTED. The flowers



Gaillardia, raised in my garden.



Hollyhocks.

LYCHNIS. P.

Hardy perennial plants for beds and borders. Bloom year after year without protection.

CHALCEDONICA. Plants grow 1 foot high and bloom first year from seed. Flowers a brilliant scarlet, star-shaped. Pkt. 5c

MARIGOLD. A.

Free flowering old favorites of easy culture. Well adapted for large beds and borders.

TALL AFRICAN. 2½ feet high. Large double flowers in glowing colors. Mixed. Pkt. 5c.

DWARF FRENCH. Each plant bears hundreds of bright flowers; 1 foot high. Double mixed. Pkt. 5c; ½ oz. 20c.

CROSS OF HONOR. 9 inches tall and blooms until late fall. Flowers single, rich, golden yellow, with a large spot of velvety brown. Pkt. 5c; ¼ oz. 15c.

MATRICARIA OR FEVERFEW. A.

EXIMIA. The plant has numerous and freely branching flower stems, which are literally covered with very double, pure white flowers, one inch in diameter. Pkt. 10c.

MIGNONETTE. A.

A well known favorite. Also suitable for pot culture. Should be watered freely until plants are several inches high.

GIANT MACHET. Flowers are larger than those of other sorts, the spikes are very dense, its foliage is distinct, being crinkly, while its odor is strong and most delicious. The plants grow in handsome bush form and bloom until late fall. Pkt. 10c; ¼ oz. 25c.

SWEET SCENTED. The old sweet-scented variety. Pkt. 5c; oz. 20c.

GOLDEN QUEEN. Flowers yellow, very sweet. Pkt. 5c; ¼ oz. 20c.

HOLLYHOCK. P.

One of the most majestic of the hardy plants. For planting among shrubbery or forming backgrounds it is without an equal.

DOUBLE WHITE. Pkt. 10c.

DOUBLE ROSE. Pkt. 10c.

DOUBLE PINK. Salmon color. Pkt. 10c.

COLLECTION OF FIVE SEPARATE COLORS. 1 pkt. of each for 35c.

DOUBLE MIXED. Mixture of double sorts. Pkt. 10c; ¼ oz. 30c.

CHATER'S EXTRA DOUBLE. Flowers large and very double. Finest strain obtainable. Pkt. 10c; ¼ oz. 30c.

ICE PLANT. A.

Will do best on dry, sandy soil. The plant is of dwarf habit; flowers are white, wax-like and frosted. For rock work and hanging baskets. Pkt. 5c

KENILWORTH IVY. P.

LINARIA. Charming little plant for baskets, vases, etc. Flowers in shades of purple and lavender. Pkt. 10c.

LINUM. A.

SCARLET FLAX. An effective and showy bedding plant. 12 inches high. Foliage is finely cut and flowers are brilliant scarlet. Pkt. 5c.

PERENNE. P. Beautiful hardy perennial, producing bright blue flowers the entire summer, 18 inches high. Pkt. 5c.

LOBELIA. A.

Popular and beautiful flowering plants, suitable for edging, hanging baskets and pot culture. Bloom June to November.

CRYSTAL PALACE. Flowers rich, deep blue, dark foliage; best for bedding. Pkt. 10c; ¼ oz. 25c.

CARDINALIS. P. Three feet high with large spikes of brilliant scarlet flowers. Pkt. 10c.

LUPINS. A.

Ornamental free flowering plants for borders and beds, with long spikes of richly colored flowers.

DWARF MIXED. Annual varieties. Pkt. 5c; oz. 20c.

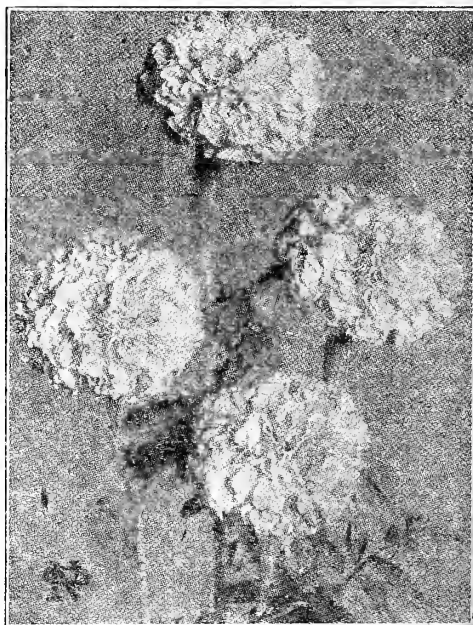
PERENNIAL LARK-SPUR FLOWERED. P. Extra long spikes of pretty flowers in blue and lilac shades; 2 to 3 feet high. Pkt. 10c; ½ oz. 30c.

LANTANA. P.

Desirable bedding plant, constantly in bloom. Verbena-like heads. Also suitable for pot culture, hanging baskets and vases. Mixed. Pkt. 5c.



Matricaria.



Tall African Marigold.

MIMOSA. A.

(Sensitive Plant.) Curious and interesting plants. Leaves close and droop when touched or shaken. The flowers are red. 1½ feet high. Pkt. 5c.

CLIMBING NASTURTIUMS. A.

Elegant and luxurious climbers for verandas, trellises, etc. May be used to cover unsightly railings and to trail over rough ground with fine effect.

TALL CHAMELEON. Produces various colored flowers on one and the same plant. Pkt. 5c; oz. 15c.

LOBB'S CLIMBING. A grand free flowering variety. Very showy and rich colored flowers. Finest mixed. Pkt. 5c; oz. 15c; ¼ lb. 45c.

TALL MIXED. Nice mixture. Pkt. 5c; oz. 10c; ¼ lb. 35c.

DWARF NASTURTIUMS. A.

May be classed among our most beautiful and showy annuals. They are of easy culture and make a continuous show of bloom.

DWARF CHAMELEON. Bears flowers of various color on one and the same plant. Pkt. 5c; oz. 15c; ¼ lb. 50c.

DWARF GOLDEN KING. Dark foliage, bright golden yellow flowers. Pkt. 5c; oz. 15c; ¼ lb. 45c.

KING OF TOM THUMBS. Deep scarlet flowers. Pkt. 5c; oz. 15c; ¼ lb. 45c.

DWARF KING THEODORE. Dark leaves and deep crimson colored flowers. Pkt. 5c; oz. 15c; ¼ lb. 40c.

DWARF MIXED. A special selection of all colors. Pkt. 5c; oz. 15c; ¼ lb. 35c.



Nasturtium.

NEMESIA. A.

Very pretty bedding flower of easiest culture. The flowers are large, of rich color and produced in wonderful profusion. Pkt. 15c.

NICOTIANA. A. (Tobacco Plant.)

SANDERAE, NEW HYBRIDS. Will thrive in any soil, either in pots, boxes or in the open ground. Two feet high. Valued for cut flowers. Mixed. Pkt. 10c.

AFFINIS. This plant grows to a height of 2½ feet and produces an abundance of large, pure white flowers of delicious fragrance. Pkt. 5c; ¼ oz. 20c.

NIGELLA. A.

(Love in a Mist, or Devil in a Bush.) A compact, free-flowering plant, with finely cut foliage and curious looking flowers and seed pods. One foot high. Pkt. 5c; ¼ oz. 15c.

OENOTHERA. A.

EVENING PRIMROSE. Neat plants, with large, saucer-shaped flowers, white or golden yellow; open at dusk; emit a delightful perfume. Pkt. 5c.

PALMS. P.

Nice, stately palms are comparatively easy to grow from seed and the plants make splendid ornaments. Directions for culture on each packet.

CHAMAROPS EXCELSA. One of the best plants for house culture. Pkt. of 12 seeds, 10c.

PHOENIX. Beautiful specimen for house culture. Pkt. of 10 seeds, 10c.

CYPERUS. Well known Umbrella Palm. Pkt. of about 60 seeds, 10c.

Nicotiana, Affinis.

PERILLA. A.

An elegant foliage plant of easy culture. Dark purple leaves. Two feet high. Pkt. 5c; ½ oz. 20c.

PETUNIA. A.

For bedding, edging or house culture, few plants equal them in effectiveness and bright colors. Easily cultivated and bloom all season.

DOUBLE MIXED. Beautiful large flowering varieties. Pkt. 25c.

GIANTS OF CALIFORNIA. Flowers single, large, in great variety of colors. Pkt. 20c.

LITTLE GEM. Bushy little plants 8 inches high. Flowers show a five-pointed star; all colors. In bloom all the time. Pkt. 15c.

STRIPED AND BLOTCHED. Fine for bedding. Pkt. 5c.

ALBA. Pure white. Desirable for cemetery planting, or where large masses of white are wanted. 12 inches high. Pkt. 10c.

COUNTESS ELLESMERE. Flowers beautiful pink. Pkt. 10c.

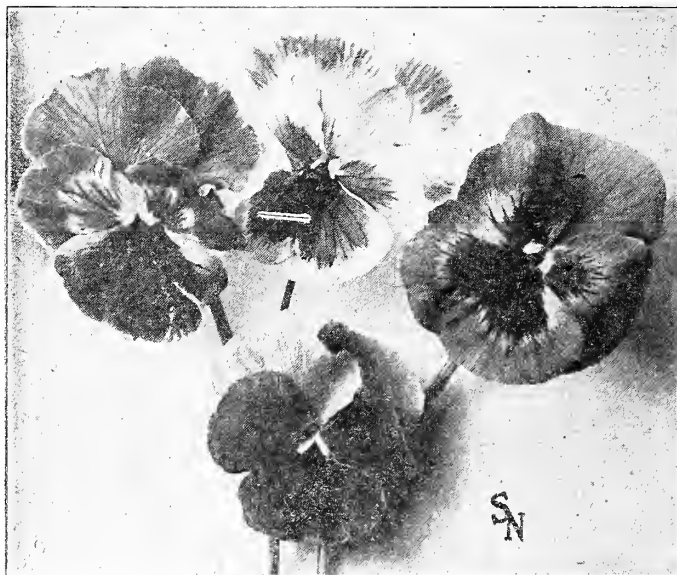
KERMESINA. Flowers bright, glowing crimson. Pkt. 10c.

VENOSA. Beautifully veined flowers, many shades. Pkt. 10c.

GOOD MIXED. Many colors mixed. Pkt. 5c; ¼ oz. 25c.



Giants of California Petunia, raised in my garden.



Extra Fine Mixed Pansies, raised in my garden. Picture shows about one-half natural size of flowers.

GERMAN IMPERIAL. Elegant, richly colored flowers of large size and perfect shape. The finest mixture of giant flowered pansies. Pkt. 15c; $\frac{1}{4}$ oz. \$1.25.

ENGLISH TUFTED PANSY or Pansy Violet. Elegant free blooming plants for partially shaded beds and borders. They are more hardy than regular pansies. Large flowering varieties mixed. Pkt. 15c.

ORCHID FLOWERING. Shows the most surprising, novel, unique and beautiful color combinations, entirely new among Pansies. The upper petals are upright and plaited, resembling orchids. The ground color of nearly all the flowers is light. Pkt. 20c.

PHENOMENAL, OR MADAME PEBRET. Giant flowered with frilled edge. Colors are rich wine shades and red with a white margin. Pkt. 15c.

QUADRICOLOR or Pheasant's Eye. Elegant spotted and marbled, large flowers. Pkt. 10c; $\frac{1}{4}$ oz. 50c.

LIGHT BLUE. A delicate shade. Pkt. 10c.

CARDINAL. The finest bright red pansy. Pkt. 10c.

KING OF BLACKS. The darkest Pansy known. Pkt. 10c.

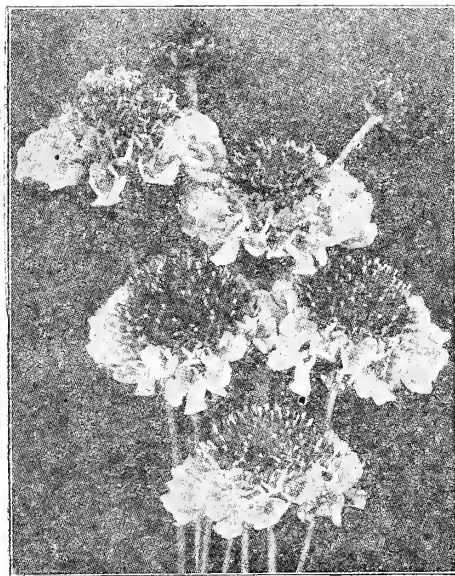
SNOWFLAKE. Large, satiny, pure white. Pkt. 10c.

YELLOW. Golden yellow with dark eye. Pkt. 10c.

STRIPED VARIETIES. The lovely flowers are striped and mottled in various tints. Pkt. 10c; $\frac{1}{4}$ oz. 35c.

EXTRA FINE MIXED. I make up this mixture from the finest varieties of English, German, French and Belgian Pansies. Pkt. 15c; $\frac{1}{4}$ oz. 75c.

GOOD MIXED. Many varieties. Pkt. 5c; $\frac{1}{4}$ oz. 35c.



Double Mixed Scabiosa. (Page 111.)

PANSIES. P.

For best results you must start with a good strain of seed. The finest pansies are, as a rule, shy seeders, which accounts for the difference in prices of the various mixtures offered below. The plants thrive best in a cool, moist, but well drained and enriched soil. Sow seeds in April or early May and cover lightly. The soil should be kept moist until plants are up.

MASTERPIECE OR GERMANIA. The petals are crimped and curled in such a fashion that the flowers appear double. The flowers are often 3 inches across and the color variations and combinations are odd and striking, the rich, dark velvety shades predominating. Pkt. 20c.

GIANT TRIMARDEAU. Flowers extra large, stand well above foliage. Each flower marked with three blotches. Strong growers. Pkt. 10c; $\frac{1}{4}$ oz. 40c.

PSYCHE. Giant flowered. The characteristic five velvety blotches or eyes are surrounded by a broad white edge. Flowers are curled and undulated. Pkt. 15c.

BUGNOT'S MAMMOTH. The petals are of great substance and velvety appearance, each one bearing a large, deeply colored blotch that runs out in delicate veins to the edge; the shadings comprise tints of red, bronze and brown. Pkt. 15c.



Double Portulaca.

PENTSTEMON. P.

MIXED HYBRIDS. Large flowering, very attractive plant, much used in hardy borders. Forms large and beautiful flower spikes. Height 2 to 3 feet. Pkt. 15c.

PHACELIA. A.

Two to three feet high. Flowers purplish blue. In bloom until fall. Of easy culture. Splendid bee food. Pkt. 5c; oz. 25c.

PHLOX DRUMMONDI GRANDIFLORA.

Of all the summer flowering annuals the varieties of large flowering Phlox are one of the most brilliant and satisfactory. From June until October they maintain an endless display of dazzling and varied colored flowers.

STARRED AND FRINGED. Very pretty star-shaped flowers. Dwarf growth. Mixed colors. Pkt. 10c; $\frac{1}{4}$ oz. 25c.

SCARLET. Intense, glowing scarlet. Pkt. 10c; $\frac{1}{4}$ oz. 50c.

ALBA. Extra large, white flowers. Pkt. 10c; $\frac{1}{4}$ oz. 50c.

ROSE. Pleasing shade of rose pink. Pkt. 10c; $\frac{1}{4}$ oz. 50c.

YELLOW. Of lemon yellow color. Pkt. 10c; $\frac{1}{4}$ oz. 50c.

EXTRA CHOICE MIXED. Best sorts. Pkt. 5c; $\frac{1}{4}$ oz. 40c.

DWARF MIXED. Of dwarf, compact habit. Fine for pot culture, for bedding and edging; 6 to 8 inches high. Very profuse bloomer. Pkt. 10c; $\frac{1}{4}$ oz. 40c.

DOUBLE FLOWERING. Flowers double and semi-double; last longer than single Phlox. Mixed colors. Pkt. 15c.

PERENNIAL MIXED. Hardy, flowering sorts in splendid mixture of colors. Pkt. 15c.

PORTULACA. A.

Also called Rose Moss or Sun Plant. One of the most popular hardy annuals of easy culture. Flowers of richest colors produced in profusion.

SINGLE MIXED. Fine mixture of colors. Pkt. 5c.

DOUBLE MIXED. Many shades, double flowering. Pkt. 10c.

DOUBLE WHITE. Pkt. 10c. **DOUBLE PINK.** Pkt. 10c.

DOUBLE YELLOW. Pkt. 10c.

Collection of three separate colors, 1 packet of each for 25c.

POPPIES. A.

Probably no class of plants enjoy greater popularity and are more widely grown than the poppies. Their wonderful range of color of their delicate, gracefully borne flowers is well known to all lovers of flowers. The poppies are quite hardy and the seed should be sown as early in the spring as possible, where the plants are to remain.

TULIP FLOWERED. The perfect, beautiful flowers resemble the Tulip. Intense fiery scarlet; single. Pkt. 10c; $\frac{1}{8}$ oz. 25c.

SHIRLEY. Silk or Ghost Poppies. Hand-some single flowers of glowing colors. Mixed. Pkt. 5c; $\frac{1}{8}$ oz. 20c.

DOUBLE PAEONY FLOWERED. Large showy, double, globular flowers, resembling a double paeony. I can supply the following solid colors: **White, Rose, Scarlet and Purple.** Each, per pkt. 5c; $\frac{1}{2}$ oz. 25c.

COLLECTION of one packet each of the four colors for 15c.

DOUBLE PAEONY FLOWERED, MIXED. Flowers large as Paeonies and very double. Finest mixture. Pkt. 5c; $\frac{1}{2}$ oz. 25c.

DOUBLE CARNATION FLOWERED. Flowers of large size and varied colors. Very popular. Pkt. 5c; $\frac{1}{2}$ oz. 25c.

DOUBLE AND SINGLE MIXED. Finest mixed. Pkt. 5c; $\frac{1}{2}$ oz. 30c.

HORNED POPPY. Three inches across and of brilliant orange red with black or yellow spots on each petal. Pkt. 5c; $\frac{1}{4}$ oz. 20c.

PERENNIAL POPPIES.

ICELAND POPPY. P. Will produce flowers the first year from seed. The colors range from pure white to orange scarlet and flowers are slightly fragrant. Nice for vases. Finest mixed. Pkt. 10c.

PERENNIAL MIXED. P. Nice assortment of many hardy perennial Poppies. Pkt. 10c; $\frac{1}{4}$ oz. 40c.

ORIENTAL POPPY. P. The flowers are very large, often measuring four inches in diameter. They come in the most brilliant shades of red and increase in size from year to year. Pkt. 10c.

PRIMULA. A.

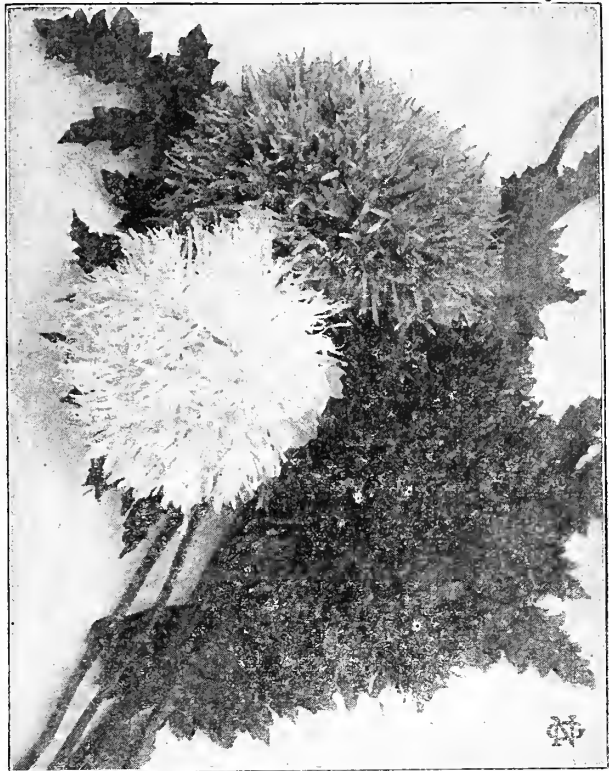
CHINESE PRIMROSE. One of my most important pot plants, in bloom almost all winter. Mixed. Pkt. 15c.

PRIMULA OBCONICA. Everblooming Primrose. Splendid for pot culture and also for the open border in summer. Flowers single, in shades of lavender, pink and red. Pkt. 15c.

PRIMULA AURICULA. Garden Primrose. A well-known favorite. Sweet scented. Pkt. 15c.

SCHIZANTHUS. A.

Butterfly Flower or Poor Man's Orchid. The gay, butterfly-like blossoms are carefully marked and spotted, resembling some species of fine Orchids. Fine cut flowers. Mixed. Pkt. 5c; $\frac{1}{4}$ oz. 20c.



Double Paeony Flowered Poppies.

PYRETHRUM. P.

Handsome herbaceous plants of easy culture.

GOLDEN FEATHER. Beautiful golden leaved foliage plant for borders and ribbon beds. Six inches high; half hardy perennial. Pkt. 5c.

HYBRIDUM. Beautiful perennials blooming in May and June. Large Aster-like flowers in many shades. Single and double mixed. Pkt. 10c.

RICINUS OR CASTOR BEAN. A.

Strong growing plants for ornamental foliage, adapted as center plants for Canna or Dahlia beds and single specimens.

SANGUINEUS. Brownish red foliage; 6 feet. Pkt. 5c; oz. 15c.

ZANZIBARIENSIS. 12 to 15 feet. Enormous leaves $2\frac{1}{2}$ feet across, and are beautifully lobed. Pkt. 5c; oz. 15c.

MIXED. Many kinds mixed. Pkt. 5c; oz. 10c.

SALPIGLOSSIS. A.

Of easy culture, blooming from early summer until late fall. Flowers orchid-like. Large flowered mixed. Pkt. 5c.

SALVIA SPLENDENS. P.

SCARLET SAGE. Blooms first year from seed. Bears long spikes of beautiful, scarlet flowers from July to frost. Pkt. 10c; $\frac{1}{4}$ oz. 30c.

SCABIOSA. A.

Mourning Bride of Egyptian Rose. Exceedingly pretty border plants. Splendid cut flowers. Blooms freely during the summer and autumn; 2 feet high.

SNOWBALL. Flowers large, pure white, very double. Pkt. 5c; $\frac{1}{4}$ oz. 20c.

DOUBLE MIXED. Large flowering varieties. Pkt. 5c; $\frac{1}{2}$ oz. 30c.

STOKESIA CYANEA. P.

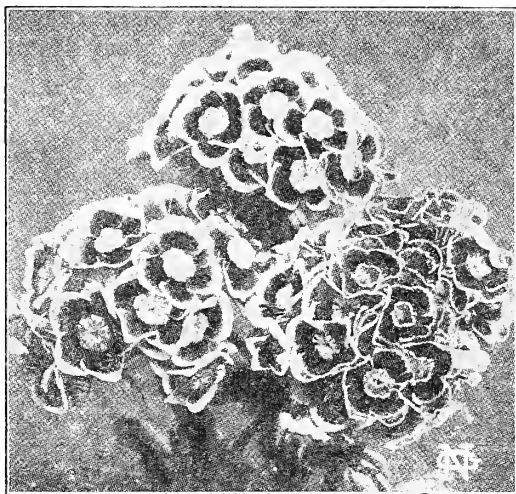
CORNFLOWER ASTER. Rare and hardy perennial, 2 feet high, bearing from 20 to 30 lavender blue flowers from July until frost. Pkt. 10c.

SUMMER CYPRESS. A.

KOCHIA. Forms regular pyramids from 2 to 3 feet high, having a cypress-like appearance. The leaves are slender and of a light pea green until September, when they change to carmine blood red. Pkt. 5c; $\frac{1}{4}$ oz. 15c.



Two Sprays of Salvia Splendens from my garden.



Single Mixed Sweet William.

DOROTHY ECKFORD. Elegant, very large, massive, pure white flowers.

EARLIEST OF ALL. Standard bright pink with white wings.

LADY MARIE CURRIE. Beautiful deep orange pink.

APPLE BLOSSOM. Lovely bright rosy pink. Very large on sturdy stems.

EARLY BLANCHE FERRY. Very early. Flowers bright pink and white.

PRINCE OF WALES. Large size and perfect form, bright rose colored.

SALOPIAN. Rich, deep crimson red, large and fine, shell shaped flowers.

KING EDWARD VII. A glowing, bright scarlet.

PRIMROSE. Beautiful primrose yellow. A rare and desirable color.

BLACK KNIGHT. Rich, glossy, blackish maroon. Darkest of all.

COUNTESS RADNOR. Delicate lavender.

NAVY BLUE. Deep violet blue. Wings violet and blue.

All of the above varieties at the uniform price of 7c per pkt. or any six pkts. for 35c; 20c per oz.; 65c per ¼ lb.

IMPERIAL MIXED. Fifty different large flowering varieties, including the newest kinds. Best mixture obtainable. Pkt. 7c; oz. 20c; ¼ lb. 50c, postpaid.

GOOD MIXED. Many varieties and colors. Pkt. 5c; oz. 15c; ¼ lb. 40c.

CUPID SWEET PEAS. Compact, dwarf plants, 7 inches high. Fine for bedding and as a border, or for pot culture. In full bloom from June to late summer. Pkt. 10c; oz. 20c.

SPENCER VARIETIES.

BEATRICE SPENCER. Flowers large, ground white, tinted and buff. Pkt. 10c; oz. 25c.

KING OF WHITE SPENCER. Best pure white variety. Large flowers. Pkt. 10c; oz. 25c.

CAPTAIN OF THE BLUES SPENCER. Standard purple, with blue wings. Pkt. 10c; oz. 30c.

COUNTESS SPENCER. True pale pink with a darker edge. Fine bloomer. Pkt. 10c; oz. 30c.

KING EDWARD SPENCER. The best of the rich, red sorts. Pkt. 10c; oz. 30c.

OTHELLO SPENCER. Beautiful dark brown chocolate red color. Pkt. 10c; oz. 25c.

SPENCER HYBRIDS. Very large flowering strain, with long stems. Mixture. Pkt. 10c; oz. 20c; ¼ lb. 60c.

SUNFLOWER.

(Helianthus.) A.

Remarkable for the stately growth and brilliancy of their flowers, making a splendid effect among shrubbery and for screens.

CUT AND COME AGAIN. Miniature Sunflower. Plants form pyramidal bushes 2 to 3 feet high. Flowers single. Blooms till frost. Pkt. 5c; ¼ oz. 20c.

STAR FLOWERED. New, dwarf growth, covered with pretty star shaped flowers. Pkt. 10c; ½ oz. 30c.

SILVER LEAF. Silver foliage; flowers yellow with black. Pkt. 5c; ½ oz. 20c.

DOUBLE DWARF. Grows 4 feet high. Flowers double, very large, of golden-yellow color. Pkt. 5c; ½ oz. 25c.

SWEET WILLIAM. P.

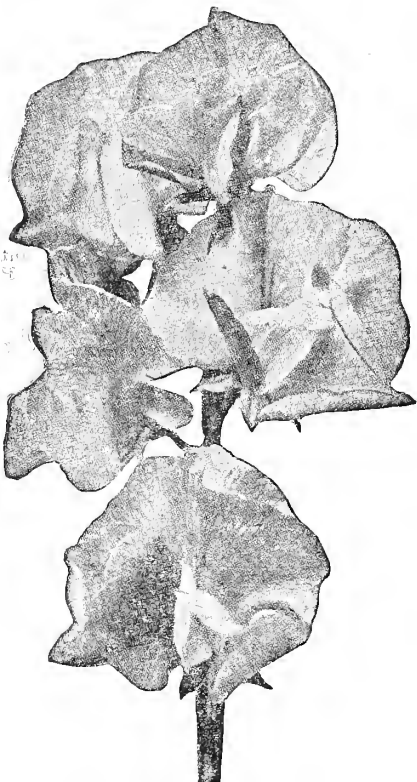
Attractive, free flowering, hardy perennials, producing a splendid effect in beds and borders, with rich, varied flowers. Bloom June to September. 1½ feet high.

DOUBLE MIXED. Flowers are borne on long trusses. Pkt. 10c.

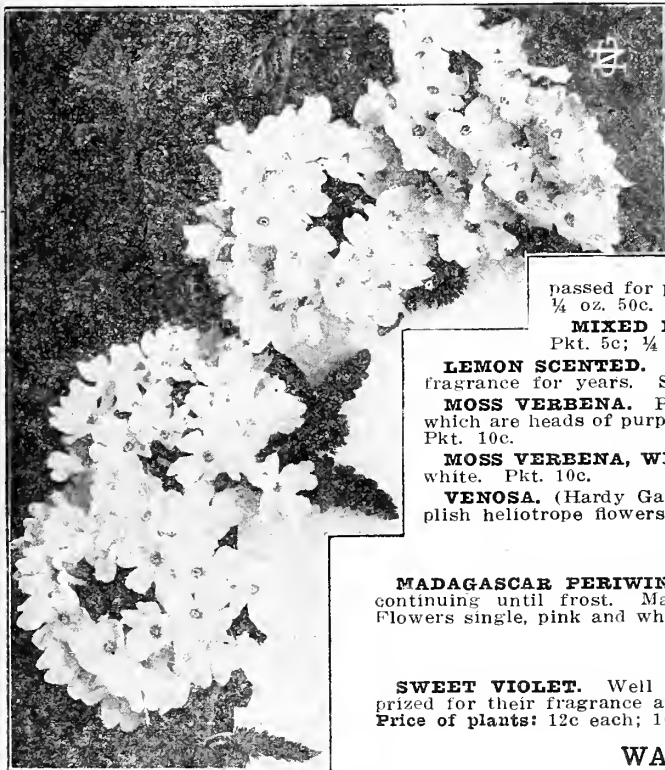
SINGLE MIXED. A mixture of single varieties. Pkt. 5c.



German Stocks.



Spencer Hybrids, Sweet Peas.



Mammoth Verbena.

ZEA JAPONICA. A.

This is a four-colored Japanese maize in green, white, pink and rose. It is exceedingly effective and graceful as a foliage plant, either for centers or backgrounds. Pkt. 5c.

ZINNIA. A.

Deserves a prominent place in every garden. Plant forms handsome bushes which produce hundreds of double flowers all summer and fall. Succeeds everywhere.

DOUBLE POMPON. A very fine strain containing many rich colors and shades. Plants grow about 2 feet high. Pkt. 5c; ¼ oz. 15c.

TALL DOUBLE. Tall varieties in splendid mixture. Pkt. 5c; ½ oz. 25c.

NEW GIANT FLOWERED. 3 feet high and very profuse bloomers. Flowers extremely double and very brilliant in color. Finest mixed. Pkt. 10c; ¼ oz. 35c.

DOUBLE LILIPUT OR FAIRY. 15 inches high, fairly loaded with tiny, short stemmed, double flowers. Mixed colors. Pkt. 5c; ¼ oz. 25c.

MEXICAN HYBRIDS. Produce flowers of the size of a daisy. They are single, semi-double and double. The colors are unique and pleasing. Pkt. 10c; ¼ oz. 35c.

EVERLASTINGS OR IMMORTELLES.

This class of annuals is of easy culture, producing their straw-like flowers abundantly all summer and fall. Suitable for bouquets.

ACROCLINEUM. Grows 15 inches high, bearing lovely white or rose-pink flowers. In bloom from June to October. Mixed. Pkt. 5c; ¼ oz. 20c.

AMMOBIUM OR WINGED EVERLASTING. Large, handsome double white flowers with yellow disk. Plants 2½ feet high. Pkt. 5c; ¼ oz. 15c.

GOMPERENA, or Globe Amaranth. Showy plants with brilliant colored globe shaped flowers. 1½ feet high. Mixed. Pkt. 5c; ¼ oz. 20c.

HELICHRYSUM. Mammoth flowered. Pretty and effective flowers. Blooming season from July to October. Two feet high. Mixed colors. Pkt. 5c; ¼ oz. 20c.

HEODANTHE. Beautiful for the garden, or grown in pots in the house. The flowers are white, rosy or crimson and show a darker disk. Grows one foot high. Pkt. 5c; ¼ oz. 25c.

KERANTHEMUM. Profuse blooming hardy annuals. Flowers very double and long stemmed. White and deep purple. Plants grow 12 to 15 inches high. Blooms from July until September. Mixed. Pkt. 5c; ¼ oz. 20c.

SPECIAL MIXED. All the above sorts and many other varieties mixed. Pkt. 10c; ¼ oz. 20c.

SWEET SULTAN. A.

Elegant garden flower of easy culture and fine for cut flower purposes. The beautiful, sweet scented flowers are borne on long, strong stems, four ft. high. Giant flowered mixed. Pkt. 5c; ¼ oz. 20c.

VERBENA. A.

Many people prefer Verbenas to Phlox. Pansies or Asters for bedding purposes. Constant bloomer; brilliant flowers. Start seed in February or March, transplant in May or June.

NEW MAMMOTH. Individual flowers are larger than a silver quarter. Unsurpassed for profusion of bloom. Fancy mixed. Pkt. 10c; ¼ oz. 50c.

MIXED HYBRIDS. Many sorts and colors. Mixed Pkt. 5c; ¼ oz. 30c.

LEMON SCENTED. Fragrant plants. Leaves when dried retain fragrance for years. Seed scarce. Pkt. 10c.

MOSS VERBENA. Produces a mass of moss-like foliage, above which are heads of purple-blue flowers. Blooms from June till frost. Pkt. 10c.

MOSS VERBENA, WHITE. Same as above, but flowers are pure white. Pkt. 10c.

VENOSA. (Hardy Garden Verbena.) 1 ft. high. Covered with purplish heliotrope flowers from early summer till late fall. Pkt. 5c

VINCA. P.

MADAGASCAR PERIWINKLE. Blooms from seed the first season, continuing until frost. May be potted in fall for winter blooming. Flowers single, pink and white. Height 12 to 15 in. Pkt. 5c; ¼ oz. 35c

VIOLET. P.

SWEET VIOLET. Well known, old-fashioned hardy garden violets. prized for their fragrant and pretty blue and white flowers. Pkt. 10c. Price of plants: 12c each; 10 for \$1.00, postpaid.

WALLFLOWER. P.

Well-known, deliciously fragrant, half-hardy perennial with large spikes of beautiful flowers. A fine pot plant.

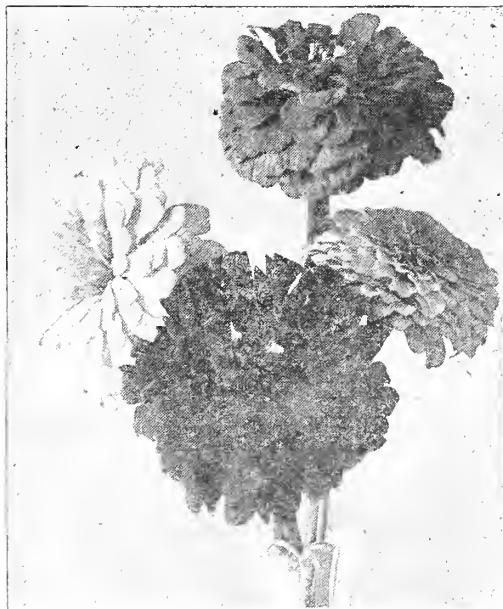
FINEST DOUBLE. Large spikes of brilliantly colored flowers. Pkt. 20c.

SINGLE MIXED. Nice colors. Pkt. 5c.

EARLY PARISIAN OR ANNUAL. Beautiful flowers of light brown color. Height 1½ feet. Pkt. 5c.

WILD FLOWER GARDEN.

This mixture contains several hundred varieties of beautiful flowers, suitable to be planted together. They will form a mass of bright colored flowers and pretty foliage. For borders, along fences and bare spots in the garden, nothing more effective could be desired. Pkt. 10c; ½ oz. 35c.



New Giant Flowered Zinnia, raised in my garden.

ORNAMENTAL GRASSES.

The ornamental grasses are indispensable for the mixed flower bed and for the border, making these more attractive during the summer, while in the dried state they are valuable for winter bouquets. For large beds or groups on lawns nothing gives a finer effect, and are largely used in many of the finest public parks, etc.

COIX LACHRYMAE. A. (Job's Tear.) Broad, corn-like leaves and hard, shining pearly seeds. 3 feet high. Pkt. 5c; oz. 15c.

EULALIA ZEBRINA. P. (Zebra Grass.) Leaves light green, crossed with creamy white stripes. $3\frac{1}{2}$ to 4 feet high. Pkt. 5c.

GYNERIUM ARGENTEUM. P. (Pampas Grass.) Bears large, white, silvery plumes. 10 feet high. Pkt. 5c.

LAGURUS OVATUS. A. (Hare's Tail Grass.) Produces small white heads. Excellent for bouquets. Pkt. 5c.

PENNISETUM RUEPELIANUM. P. (Purple Fountain Grass.) Beautiful large spikes of purple color. Foliage is long, slender, deep green in color. 3 feet high. Pkt. 10c. Price of plants, see page 67.

STIPA PENNATA. P. (Feather Grass.) Beautiful, delicate white, feathery heads. 2 feet high. Pkt. 10c.

MIXED VARIETIES. Many different kinds. Pkt. 10c.

SELECTED CLIMBING PLANTS.

AMPELOPSIS. P. Boston Ivy. Will climb any wall without support. In fall leaves turn a rich orange and red. Pkt. 5c; $\frac{1}{2}$ oz. 20c.

BALLOON VINE. A. A rapid growing climber, succeeding best on light soil. Flowers white; seed pods like small balloons. Pkt. 5c; oz. 25c.

BALSAM APPLE AND PEAE MIXED. A. Very curious, rapid and dense growing climbers, with ornamental foliage and pretty fruit, which opens when ripe, showing seed and blood red inside. Grows 10 feet high. Pkt. 5c; $\frac{1}{4}$ oz. 20c.

CANARY BIRD VINE. A. Graceful, rapid growing climber, with pretty little canary-yellow flowers. 15 feet high. Pkt. 5c; $\frac{1}{4}$ oz. 20c.

COBEOA SCANDENS. A. Beautiful climber, growing 20 to 30 feet in one season. Large, bell-shaped blue flowers. In sowing, place seeds edgewise, cover with light soil. Pkt. 10c.

DOLICHOS. A. Hyacinth Bean. Very pretty, bean-like flowers in erect racemes, followed by ornamental pods, 10 feet high. Pkt. 5c; oz. 30c.

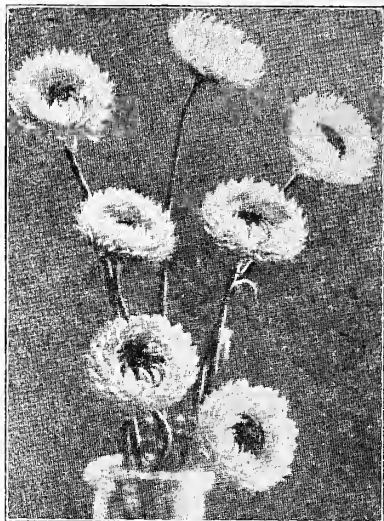
EVENING GLORY. A. Quick growing climber with violet-blue flowers. Fragrant in the evening. Pkt. 5c; $\frac{1}{4}$ oz. 20c.

JAPANESE KUDZU VINE. P. (Jack and the Bean Stalk Vine.) Of wonderfully quick growth, climbing to a height of 50 feet. The large, bold leaves are of dark green color and make a dense shade. Pkt. 10c.

LATHYRUS. P. (Hardy Sweet Pea.) Perennial climber with white, pink and crimson pea-shaped flower clusters. 6 feet high. Blooms July to September. Fine cut flowers. Pkt. 5c; $\frac{1}{2}$ oz. 25c.



Coboea Scandens.



Ac oclineum. (Page 113.)

MEXICAN MINA VINE. A. The leaves resemble oak leaves, and the flowers are borne in large clusters. Blood red, yellow throat. Grows 20 to 25 feet high. Pkt. 5c; $\frac{1}{4}$ oz. 20c.

MOONFLOWER, MAMMOTH WHITE. A. The most rapid grower of all climbers. The vines are literally covered with thousands of large, pure white, fragrant flowers. Grows 30 to 40 feet in one season. Pkt. 10c.

MOONFLOWER, LILAC BLUE. A. Similar to above. Produces lovely large flowers of lilac blue. Pkt. 10c.

PASSION FLOWER. P. Tender perennial climber for the summer garden, for window boxes and pot culture. Flowers beautiful white and blue; large, wax-like. Pkt. 10c.

SMILAX. P. A fine pot plant for winter. Lovely glossy green foliage which is greatly prized for bouquets and decorating. Pkt. 5c; $\frac{1}{4}$ oz. 25c.

WILD CUCUMBER. A. Will grow 30 ft. in a season. Bears pretty white fragrant flowers followed by an abundance of ornamental, prickly seed pods. Pkt. 5c; oz. 20c.

CYPRESS VINE. A.

For trellises the Cypress Vine cannot be excelled. It has a profusion of pretty star-shaped blossoms and fine leaves. Feathery foliage. Will grow 15 to 20 feet high.

SCARLET. Flowers bright, glowing scarlet. Pkt. 5c.

WHITE. Clear white in color. Pkt. 5c; $\frac{1}{4}$ oz. 20c.

MIXED. Mixture of all kinds. Pkt. 5c; $\frac{1}{4}$ oz. 20c.

MORNING GLORIES. A.

Well known climbers with beautiful, showy flowers in many colors. For covering walls, trellises, arbors, stumps of trees, etc. Succeeds anywhere.

IMPERIAL JAPANESE. This is a large flowering Japanese strain, with beautiful blossoms in the most varied colors and shades. Pkt. 5c; oz. 25c.

MIXED. Old-fashioned varieties, mixed. Pkt. 5c; oz. 20c.

ORNAMENTAL GOURDS. A.

Desirable, pretty climbers for many places where a large amount of vines are wanted quickly. The blossoms of some are striking and handsome.

CALABASH OR PIPE GOURD. A native of South Africa. Odd shaped fruit which is used to good advantage in making pipes. Pkt. 5c; oz. 25c.

DIPPER. Fruit makes excellent dippers. Pkt. 5c.

HERCULES CLUB. Fruits green, 3 to 4 feet long. Pkt. 5c; oz. 25c.

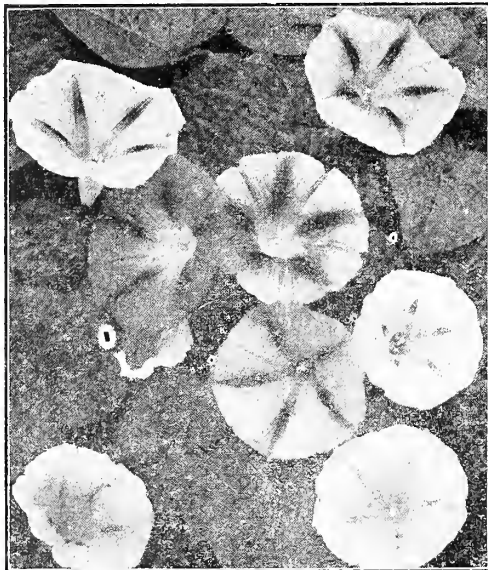
LUFFA OR DISH CLOTH. Many ladies prefer a dish cloth made of this gourd to anything else. Pkt. 10c.

NEST EGG. In color, shape and size like hens' eggs. Pkt. 5c; oz. 25c.

ORANGE SHAPED. Known as mock orange. Pkt. 5c; oz. 25c.

SUGAR TROUGH. The fruits have thick shells, very light but durable. Holds 6 to 8 quarts. Pkt. 5c; oz. 25c.

ORNAMENTAL MIXED. Many varieties mixed. Pkt. 5c; $\frac{1}{2}$ oz. 20c; oz. 35c.



Mixed Morning Glory.

FARM SEED DEPARTMENT.

My farm seeds are grown from carefully selected stock for seed purposes, and every effort is made to keep them pure and free from weed seeds. All varieties which I offer have been well tried and found to be of superior merit. We have a new law in Nebraska compelling Seed Houses to sell seeds with purity and germination according to a schedule, which is part of the law. Any seed that is not up to the standard must be labeled as such. I will after this sell farm seeds, including all grasses, clovers, alfalfa, oats, etc., only **NEBRASKA STANDARD**; that is, seeds that will come up to the germination and purity required by our laws. In comparing my prices with those of other Seed Houses, please bear this in mind. Our laws are very strict and I live up to them as nearly as possible for me to do so. At the prices quoted I furnish Burlap sacks free of charge, but would advise to have all heavier seeds shipped in new Grain Bags, for which I make an extra charge of 45c each. **Please notice that seeds cannot be packed together with trees and plants,** as the latter are packed in damp moss, whereas seeds must be kept dry. If your shipping point is a "prepay station," be sure to send a sufficient amount extra to cover freight charges. In all cases where this is not done, I ship to nearest point which is not a prepay station. I do not ship C. O. D. unless one-third the amount of order is sent me with order. My prices per pound and three pounds are postpaid by parcels post. Larger quantities are shipped at buyer's expense.

As this catalog goes to press early in the season, my prices are subject to change.

OATS.

NEW KHERSON. These oats were first introduced here by the University of Nebraska from Russia. This variety ripens two or three weeks earlier than other oats. Plant is of vigorous but rather dwarf growth, stiff in straw, hence will withstand strong winds and not lodge. Leaves are broad, heads large and full. Kernels light yellow color and contain an extra large berry. My seed was grown from the original stock. **Price:** 3 lbs. 50c, postpaid. By freight, not prepaid, 10 lbs. 40c; 25 lbs. 85c; 100 lbs. \$3.35; 300 lbs. \$9.75, sacks included.

REGENERATED WHITE SWEDISH SELECT. This oats yields heavily, is free from rust, and withstands drought extremely well. The heads are large and branching, fairly loaded with big, plump, thin-hulled kernels of bright, pure white color. The straw is very stiff and noted for its power to withstand lodging. **Price:** 3 lbs. 50c postpaid. By freight, not prepaid, 10 lbs. 40c; 25 lbs. 85c; 100 lbs. \$3.35; 300 lbs. \$9.75, sacks included.

-SPELTZ OR EMMER.

The grain is considered as good as oats for stock and better than barley for hogs. It makes excellent pasture and good hay if cut at proper season. Produces from 50 to 100 bushels of seed per acre, and yields well in dry years. It is claimed that it will make a crop where the annual rainfall is only 10 inches. Can be sown very early as plants are not injured by frost or snow. Drill, 80 lbs. or if sown broadcast, 120 lbs. per acre. **Price:** 3 lbs. 50c postpaid. By freight, not prepaid, 10 lbs. 85c; 25 lbs. \$1.85; 100 lbs. \$7.25; 300 lbs. \$21.00.

BARLEY.

WHITE HULLESS. No beards or hulls. The grain looks like wheat. Equal to wheat in feeding value, and will yield nearly twice as much. It is early, thus making a splendid nurse crop seeding with clover; is entirely beardless, with soft straw, splendid for feed. Many farmers cut it for hay crop. Sow in spring $1\frac{1}{2}$ bushels per acre. Specially fine for poultry and for grinding for hogs. **Price:** 3 lbs. 60c postpaid. By freight, 10 lbs. \$1.00; 25 lbs. \$2.25; 100 lbs. \$8.75.

MANDSCHEURI. This is an extra early six-rowed variety, with long straw, bearing long, well filled heads of plump grain. It is a good variety to grow, either for feed or market; its malting qualities are unsurpassed. **Price:** 3 lbs. 50c postpaid. By freight, 10 lbs. 60c; 25 lbs. \$1.40; 100 lbs. \$5.00; 300 lbs. \$14.50.

CHAMPION BEARDLESS. A fine beardless Barley that has been planted largely for so many years. The kernels are large, plump and heavy. It is earlier than any bearded barley, will yield more and will not discolor as easily as other Barley. In regard to soil it is not particular. A first-class barley for malting. **Price:** 3 lbs. 50c postpaid. By freight, not prepaid, 10 lbs. 70c; 25 lbs. \$1.70; 100 lbs. \$6.60; 300 lbs. \$19.50.

MACARONI WHEAT.

A wheat that will grow where others fail. A very heavy yielding variety and does especially well in semi-arid plains. It seems to be always a sure crop, and will mature in a shorter season than any other wheat. The grains are very hard and rather large. Sow seed early in spring, about $1\frac{1}{2}$ to 2 bushels per acre. **Price:** 3 lbs. 60c postpaid. By freight, not prepaid, 10 lbs. 55c. Write for prices on larger lots.

WINTER RYE.

This Rye was introduced by the Agricultural Department of Wisconsin, and it has proven to be much superior in yield and quality over the old varieties. It will yield 5 to 20 bushels more seed per acre than any other variety.

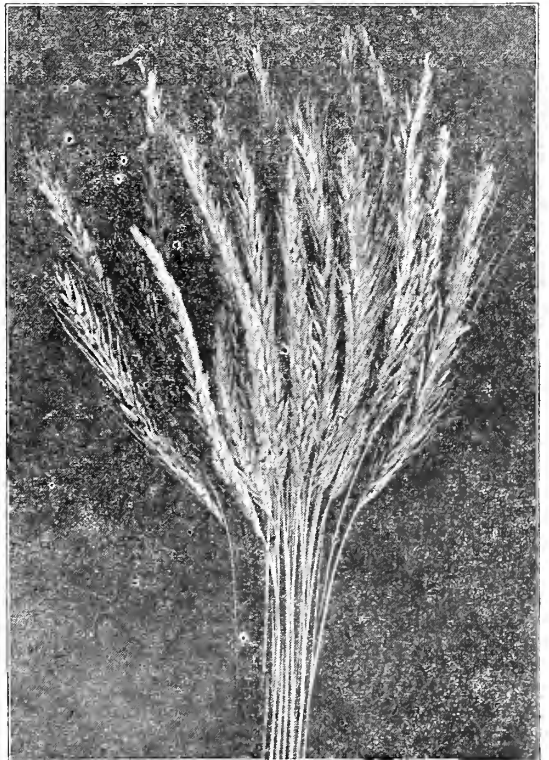
WISCONSIN PEDIGREE NO. 1. Rye is a sure crop—failures being almost unknown. It is usually sown in the fall, and as it grows very vigorous, will furnish pasture until late in the fall, and also early in the spring it makes an abundant pasture, but then makes no crop. 3 lbs. 40c postpaid. New crop ready for shipment in August. Write for prices.

SPRING RYE.

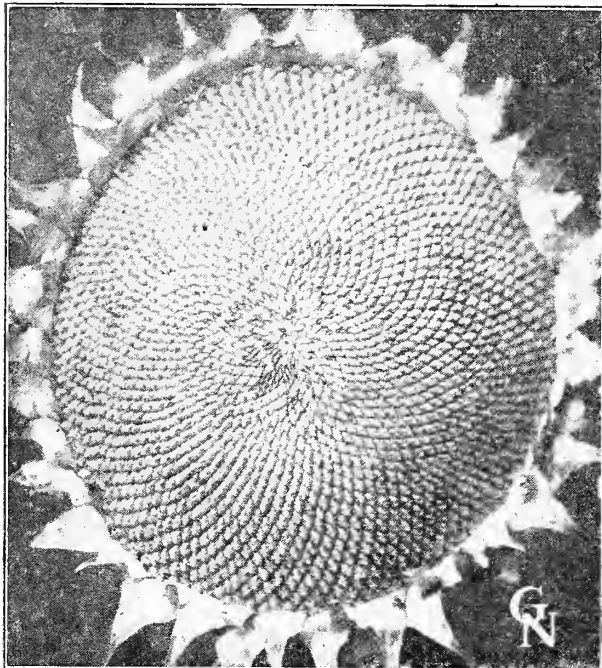
Invaluable as a catch crop. Can be sown later than any other spring rye, but usually yields well. The seed we offer is home grown. **Price:** 3 lbs. 50c postpaid. By freight, not prepaid, 10 lbs. 95c; 25 lbs. \$2.25; 100 lbs. \$8.50; 300 lbs. \$25.00.



Beardless
Barley.



Winter Rye. (Wisconsin Pedigree No. 1.)



Russian Sunflower, 14 inches in diameter.

TEOSINTE.

A valuable forage plant, resembling field corn in its habit of growth, but throwing outside shoots or suckers in much greater profusion. It is greedily eaten by all kinds of stock, either in the green state, or when cured as hay. It can be cut two to five times in one season. Should not be planted until the ground is warm. Plant in drills 3 feet apart, dropping three to four seeds every 12 inches. 3 to 4 lbs. will plant an acre. Cultivate the same as field corn. Oz. 10c; ¼ lb. 30c; lb. \$1.00; 3 lbs. \$2.50 postpaid.

WILD RICE.

A valuable plant in lakes and marshes to attract wild fowl. The seed should be sown during September and October or in early spring. Sow broadcast in water 6 inches to 6 feet deep, with mud bottom. Sink seeds in bags in water over night to soak it thoroughly, so it will sink to the bottom at once. Per lb. 65c postpaid. Not prepaid, 10 lbs. for \$5.00.

SORGHUM OR SUGAR CANE.

Dairy farmers say that Sugar Cane is the most valuable fodder plant in existence for their use. Can be grown anywhere on any soil that will grow corn. Quality, being sweet, tender, nutritious and greedily eaten by horses, cattle and hogs. It is claimed that as high as ten tons of green fodder have been grown per acre. Sow 100 pounds per acre. It is a profitable crop, also to grow for seed. When grown for seed sow in drills three ft. apart, using 4 to 5 lbs. of seed per acre. Prices subject to change.

EARLY AMBER. Popular and well known. Succeeds well from Texas to Minnesota. Price: Selected seed for sorghum, 3 lbs. 50c postpaid. Not prepaid, 10 lbs. \$1.10; 25 lbs. \$2.65; 50 lbs. \$5.00; 100 lbs. \$9.00. For fodder, 3 lbs. 50c postpaid. Not prepaid, 10 lbs. 95c; 25 lbs. \$2.25; 50 lbs. \$4.25; 100 lbs. \$8.00.

EARLY ORANGE. Ten to fifteen days later than Early Amber. Well adapted to South and West. Price: Selected seed for sorghum, 3 lbs. 60c postpaid. Not prepaid, 10 lbs. \$1.10; 25 lbs. \$2.65; 50 lbs. \$5.00; 100 lbs. \$9.00. For fodder, 3 lbs. 50c postpaid. Not prepaid, 10 lbs. 95c; 25 lbs. \$2.25; 50 lbs. \$4.25; 100 lbs. \$8.00.

JERUSALEM CORN.

A non-saccharine sorghum especially adapted for cultivation in dry sections. It is a sure cropper, yielding an immense crop of flat, white, soft grain, similar to white kaffir, and very valuable as a feed for stock and poultry of all kinds. The plant grows about 3 feet high, making a single large head of the main stalk and numerous small heads on the side shoots. 4 to 5 lbs. of seed in drills is required to plant an acre, or if sown broadcast 35 to 50 lbs. per acre. Price: 3 lbs. 70c postpaid. By freight, not prepaid, 10 lbs. \$1.20; 50 lbs. \$5.50.

I DO NOT PREPAY THE FREIGHT CHARGES ON FIELD SEED ORDERS OF \$10.00 OR MORE. THIS APPLIES TO TREES AND PLANTS ONLY.

RUSSIAN SUNFLOWER.

The largest Sunflower. One of the best paying crops to raise. Seeds are the best of feed for poultry, and much cheaper to raise than corn. 3 to 4 lbs. per acre. Price: lb. 25c; 3 lbs. 70c postpaid. By freight, not prepaid, 10 lbs. \$1.25; 25 lbs. \$2.75.

BUCKWHEAT.

JAPANESE. An early and very prolific variety, with kernels about double the size of ordinary sorts. The best for the Western States as it withstands drought well; 35 lbs. per acre. Price: 3 lbs. 50c postpaid. By freight, not prepaid, 10 lbs. 70c; 25 lbs. \$1.65; 100 lbs. \$6.00.

SILVER HULL. Well known standard variety. Sow 50 lbs. per acre. Price: 3 lbs. 50c postpaid. By freight, not prepaid, 10 lbs. 70c; 25 lbs. \$1.65; 100 lbs. \$6.25.

FLAX SEED.

Flax is one of the most profitable crops, especially on new land. It makes a quick crop, being sown in April and harvested in June. The seed is always marketable at a good price. I offer good, clean seed. Sow 28 lbs. per acre. Price: 3 lbs. 60c postpaid. By freight, not prepaid, 10 lbs. 85c; 25 lbs. \$2.00; 100 lbs. \$7.75.

DWARF ESSEX RAPE.

The easiest cultivated and most profitable plant for sheep, hogs or cattle feed known. It can be sown in early spring along with oats or rye, and eaten off by sheep within a week or so after harvest. It can also be sown on wheat, oats or rye stubble, or on any vacant land up to the end of July, and will yield an immense crop of green fodder in six to eight weeks from time of sowing—nothing like it for sheep feed. Rape should be sown in drills at the rate of 3 lbs. per acre, or broadcast, using 5 to 6 lbs. per acre. Price for true Dwarf Essex Rape, first quality seed, 3 lbs. 70c postpaid. By freight, not prepaid, 5 lbs. 80c; 10 lbs. \$1.50; 25 lbs. \$3.40; 100 lbs. \$13.25. Grain sacks 45c.

SAND VETCH OR WINTER VETCH.

The true Winter Vetch or Hairy Vetch. A forage plant which has proved of highest value. It succeeds and produces good crops on poor sandy soils, and grows to a height of 4 to 5 feet. It is exceedingly nutritious, is eaten with relish and may be fed with safety to all kinds of stock. It is the earliest crop for cutting, and a full crop may be taken off the land in time for the spring crops. It serves equally well as a cover crop, for pasturage, hay, or as a soil renovator. In the far North sow in the early spring; in moderate climates sow from July to November, broadcast or in drills, at the rate of 1 bushel per acre, with ½ to 1 bushel of rye, wheat, oats or barley. Cut when the vetches are in full bloom. Price: lb. 50c; 3 lbs. \$1.40 postpaid. By freight, not prepaid, 10 lbs. \$3.00. Write for prices on larger lots.



Japanese Buckwheat.

WHITE KAFFIR CORN.

An excellent fodder plant, yielding two crops of fodder during the season. The stalks keep green and juicy, making excellent fodder, either green or dried, which is highly relished by stock. The seed crop is heavy. Sow in rows 3 feet apart, 4 to 5 lbs. per acre. For fodder sow 25 to 50 lbs. either broadcast or in drills. **Price:** 3 lbs. 40c postpaid. By freight, 10 lbs. 70c; 25 lbs. \$1.60; 50 lbs. \$3.10; 100 lbs. \$6.00. **Prices subject to change.**

RED KAFFIR CORN.

Similar to the white, except the seed is of red color. Ripens a little earlier and is said to withstand drought even better than the white. **Price:** by mail, postpaid, 3 lbs. 45c. By freight, not prepaid, 10 lbs. 80c; 25 lbs. \$1.85; 50 lbs. \$3.65; 100 lbs. \$7.00. **All prices subject to change.**

YELLOW MILO MAIZE OR BRANCHING SORGHUM.

Highly valued because of its certainty to produce good crops on poor, dry soil. Grows 9 to 10 feet tall and branches freely. The seed heads produce a large quantity of grain, which is superior food for fowls. Plant in drills, 3 to 4 feet apart, using 5 to 6 lbs. per acre. **Price:** 3 lbs. 60c postpaid. By freight, 10 lbs. 75c; 50 lbs. \$3.50, sacks included.

SHALLU OR EGYPTIAN CORN.

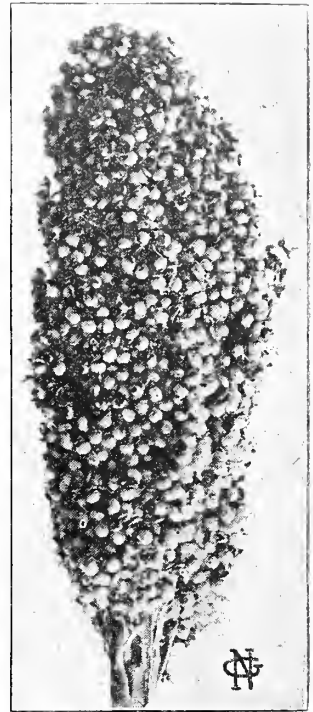
(Sorghum Vulgare.) A well known cereal, it produces a large quantity of seed, of which fowls and animals are fond. Can also be sown broadcast for soiling, or in drills for fodder and seed. If sown in drills, 12 lbs. of seed per acre is ample. If sown broadcast, 50 lbs. per acre. For grain the stalks should not be nearer than 10 inches in the drill, but if to be cut repeatedly for soiling it is better to sow quite thickly in the hills. Seed should not be sown too early, and covered from one-half to one inch. If too much rain in the spring, the seed will not come up well; they require more heat than the other sorghums. **Price:** 1b. 20c; 3 lbs. 50c postpaid. By freight, not prepaid, 10 lbs. \$1.00. Write for prices on larger lots.

BROOM CORN.

One of the most paying crops and is adapted to any soil that will grow corn. It will make a crop with very little rain. One acre will yield 1 to 1½ tons of cured brush and up to 40 bushels of seed, which is nearly equal to oats in feeding value. Plant in drills 3½ feet apart, and in rows about 3 inches apart, and cultivate the same as corn. About 5 to 8 lbs. of seed will sow an acre. If planted the first of June, it will be ready to cut September 15th. **Prices subject to change.**

IMPROVED EVERGREEN. This variety grows about 8 to 10 feet high, stands up well, and is entirely free from crooked brush. **Price:** 3 lbs. 75c postpaid. By freight, 10 lbs. \$1.00; 25 lbs. \$2.25; 100 lbs. \$8.00, sacks included.

OKLAHOMA DWARF. Most valuable grain grown in Oklahoma and the Southwest. Very early and is a drought resister. Averages 5 feet in height. Is a great yielder. **Price:** 3 lbs. 75c postpaid. By freight, not prepaid, 10 lbs. \$1.10; 25 lbs. \$2.60; 100 lbs. \$9.00, sacks included.



Feterita

FETERITA.

A new non-saccharine from Sudan. It is an early maturing, drought resisting sorghum of considerable value both for fodder and grain. It has rather slender stems varying in height from 4 to 7 feet with locality and season. The stems are juicy and slightly sweet before ripening. Suckers are produced freely when moisture is sufficient. It is a little earlier than dwarf milo and yields about the same. Sow in hills 40 to 44 inches apart and not before the ground is warm; about 2 weeks after Indian Corn, as it is still more liable to rot in cold ground. 3 to 5 lbs. will sow 1 acre. **Price:** 3 lbs. 50c postpaid. By freight, 10 lbs. 85c; 50 lbs. \$4.00

SCHROCK—KAFFIR-SORGHUM.

New Forage Plant—This is one of the greatest new introductions of recent years in the Sorghum line.

Mr. Schrock discovered this seed in 1911, and has, therefore, been able to give it every possible test since that time. I am giving below Mr. Schrock's own description of the plant.

MR. SCHROCK'S OWN DESCRIPTION. When planted thin one plant will often shoot two, sometimes four or five stools, each of which will make a good head. Often a main stalk will side-shoot, making usually two or three smaller heads that rise three or four inches above the central head, yet all heads ripen seed at almost exactly the same time. In many cases, the side-shoot heads and the stool heads are not much smaller than central head from main stalk. It does better if not planted too thickly. Seed planted in April, 1914, was fully hard and matured August 5.

It resembles kaffir in waiting for rain, the leaves rolling up in daytime. Leaves stay green always until killed by frost. It never falls down or lodges, and the heads never droop, nor are there any crook neck heads. Chinch bugs do not bother it as they do milo. Seed never shatters, no matter how long it stands in field. It threshed out much more from a pile than one would expect, and is about as heavy as kaffir. The seed is readily eaten by anything that will eat kaffir. Cattle and horses eat the stalks as readily as they do sorghum canes of any kind. It is as early as Feterita and seems to be as good drought resister as kaffir, if anything better, and is apparently, from my observation, a better seed producer than either of the three. Is very uniform in height, from 3½ to 4 feet high. A field headed out looks level on top.

Seed heads can be stacked, cut by thousands, without heating, weeks before the leaves are killed by frost. A wheat header will work to perfection on it, as well as corn binder. It makes fine, leafy hay when sown broadcast or drilled, and grows just a nice height to be handled with wheat binder (or pitchfork if cut with mower.)

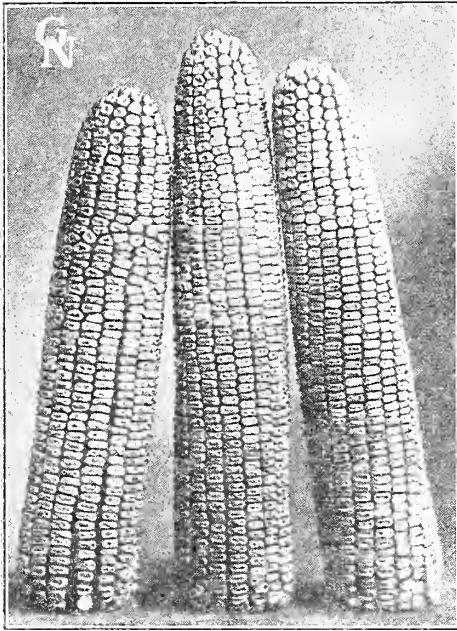
METHOD OF PLANTING. The seeds should be sown in rows 8 feet apart. Three pounds of seed is sufficient to plant an acre. It should be cultivated the same as kaffir or milo maize, taking care to run the cultivator very shallow in order not to cut off the roots. A little seed goes a long ways, unless it is sown for forage, when it can be sown broadcast at the rate of 50 lbs. per acre.

Price: 1b. 35c; 5 lbs. \$1.50, postpaid; 10 lbs. \$1.40; 25 lbs. \$2.25; 100 lbs. \$12.00, not prepaid.



Schrock, Kaffir-Sorghum

SELECTED SEED CORN.



Reid's Yellow Dent.

ly covered with solid corn. Shelling 88 per cent grain, and often better. The kernels are moderately rough, rather narrow, medium in thickness, wedge shape, setting very close together, with no lost space between the rows. It has an abundance of foliage. Ripens in 110 days. Splendid sort for the Western States in general, but not recommended for the North. **Price:** 3 lbs. 70c, postpaid. By freight, not prepaid, peck, \$2.00; bu. \$7.00; 5 bu. \$33.75, sacks included.

NEBRASKA YELLOW DENT. The best and heaviest yielding yellow corn for Nebraska and the Western States. Ears are large, uniform in size, and well filled; kernels of good size and golden yellow color. Cobs are small. Stalks are medium size, strong and well-rooted, producing two good, well-shaped ears each. It is a strong grower and will produce a larger yield on poor land than any other variety. **Price:** 3 lbs. 70c, postpaid. By freight, not prepaid, peck, \$2.00; bu. \$7.00; 5 bu. \$33.75, sacks included.

IOWA SILVER MINE. An early variety of White Dent Corn, which is remarkable for its large yields. It is the largest eared White Dent shape, with 16 to 20 rows of pure white kernels set on a small white cob, and are well filled out over the tip. 70 lbs. of corn in the ear will make 62 lbs. shelled. It is hardy and a great drought resistor. **Price:** 3 lbs. 70c postpaid. By freight, not prepaid, peck \$1.90; bu. \$6.50; 5 bu. \$31.00.

SANFORD WHITE FLINT. The most productive White Flint corn, yielding a large crop of corn and fodder at the same time. The ears are very long, measuring from 12 to 15 inches, and are of a very handsome appearance, with large kernels of transparent white color. **Price:** 3 lbs. 90c postpaid. By freight, not prepaid, pk. \$2.25; bu. \$8.00.

SWEET FODDER CORN. This is of greater value for dairy farmers than common fodder corn on account of its high feeding and milk production quality. As a green fodder for cutting in the summer, one acre is worth eighty acres of ordinary pasture. Sow in drills or broadcast, 2 bu. per acre. **Price:** 3 lbs. 90c postpaid. By freight, not prepaid, peck \$2.25; bu. \$8.00.

Liberal, Mo., Mar. 24-17.

I got my seeds from you last year, they were very satisfactory. Your seeds grow fine here in Southwest Missouri: Mrs. Kate Hesford.

Knox City, Mo., 4-16-17.

I have been buying your seeds every year since 1907 and have always found them the best money could buy. Your seeds are all you claim them to be. Ella Dyer.

As long as I have farmed or raised corn, I have never seen the seed corn situation in as bad a shape all over the Middle West as it is now. A large per cent of the corn, grown in Iowa, Nebraska and parts of Kansas will not grow, unless it matured very early or was picked and dried before the heavy frost.

In the neighborhood of Beatrice, corn yielded well, our own making from 55 to 75 bushels per acre, but only the very earliest planted corn will grow.

The corn I offer is either 1916 crop, or carefully selected from early plantings of this years crop, that had been well matured before the heavy frosts. This corn is hand picked, dried in a warm storage, carefully and closely tested and all will comply with the laws of the State of Nebraska.

My stock of seed corn is limited, while there will be a tremendous demand for good seed in the spring. My advice is, to get busy and procure your supply early. Seed corn of good germination, is scarce and cheap at any price. "First come, first served."

Later in the season, should I be out of seed corn when your order reaches me, your money will be returned to you promptly. It might be well to mention a second choice variety.

The greatest care is used in selecting and harvesting my seed corn. Every ear is examined, and if found true to type of that variety, it is then tipped and butted; afterwards shelled and run over my large corn grader and cleaning mill and not only fanned, but also graded. Seed corn prepared in this manner is well worth the price I ask for it.

Owing to the scarcity of good seed corn and of labor, and the large amounts that have to be picked over and tested, and the extra cost in drying, prices are higher than usual.

EARLY MURDOCK. This fine Yellow Dent Corn, on account of its extreme earliness, is well adapted to Minnesota and the Dakotas. Ears are well filled to the tips, 16 to 20 rows, very large for so early a corn. Stalks are of medium height, stout and stocky. The best extra early Yellow Dent Corn for all sections. **Price:** 3 lbs. 90c, postpaid. By freight, not prepaid, peck, \$2.25; bu. \$8.00.

REID'S YELLOW DENT. This corn is light golden in color. The ears are 9 to 11 inches long, 18 to 20 rows of kernels. The ears are cylindrical from butt to tip. The cob is complete.

The kernels are moderately rough, rather narrow, medium in thickness, wedge shape, setting very close together, with no lost space between the rows. It has an abundance of foliage. Ripens in 110 days. Splendid sort for the Western States in general, but not recommended for the North. **Price:** 3 lbs. 70c, postpaid. By freight, not prepaid, peck, \$2.00; bu. \$7.00; 5 bu. \$33.75, sacks included.

NEBRASKA YELLOW DENT. The best and heaviest yielding yellow corn for Nebraska and the Western States. Ears are large, uniform in size, and well filled; kernels of good size and golden yellow color. Cobs are small. Stalks are medium size, strong and well-rooted, producing two good, well-shaped ears each. It is a strong grower and will produce a larger yield on poor land than any other variety. **Price:** 3 lbs. 70c, postpaid. By freight, not prepaid, peck, \$2.00; bu. \$7.00; 5 bu. \$33.75, sacks included.

IOWA SILVER MINE. An early variety of White Dent Corn, which is remarkable for its large yields. It is the largest eared White Dent shape, with 16 to 20 rows of pure white kernels set on a small white cob, and are well filled out over the tip. 70 lbs. of corn in the ear will make 62 lbs. shelled. It is hardy and a great drought resistor. **Price:** 3 lbs. 70c postpaid. By freight, not prepaid, peck \$1.90; bu. \$6.50; 5 bu. \$31.00.

SANFORD WHITE FLINT. The most productive White Flint corn, yielding a large crop of corn and fodder at the same time. The ears are very long, measuring from 12 to 15 inches, and are of a very handsome appearance, with large kernels of transparent white color. **Price:** 3 lbs. 90c postpaid. By freight, not prepaid, pk. \$2.25; bu. \$8.00.



Iowa Silver Mine.

Clover and Grass Seeds.

MY PRICES on Clover and Grass Seeds are based on the market values prevailing at the time this catalog goes to press. I reserve the right to fill orders according to the price based on market changes when your order reaches me. I guarantee to give full value for money received and will hold to my catalog prices as long as my supply of seeds will last. For new grain bags to ship clover seed in I make an extra charge of 45c for each bag. Sample packets mailed on application. All seeds put out under my name of NEBRASKA STANDARD, are the best and finest obtainable and will pass under our new state law.

ALFALFA OR LUCERNE. The most valuable forage plant. In the driest weather, when every blade of grass withers, Alfalfa is as fresh and green as in the spring, as its roots go down from ten to twenty feet to the moisture of the ground. The seed may be sown early in the spring, as soon as the frost is out of the ground in order to catch the spring rains, as it needs moisture to germinate. Sow the seed broadcast, 15 to 25 lbs. to the acre. Sow with a hand seeder, going over the field crossways and using half the quantity of seed each way. May also be sown in the fall. The seed bed should be well prepared and the ground well pulverized. My seed is of the best quality and free from adulteration. I furnish Nebraska upland grown seed, which should not be confounded with seed grown under irrigation, as the latter is practically worthless unless it be grown under irrigation again.

Price, Nebraska Standard Grade Alfalfa, per lb. 40c; 3 lbs. \$1.10, postpaid. By freight, not prepaid, 10 lbs. \$2.50; 50 lbs. \$11.25; 100 lbs. \$22.00.

TURKESTAN ALFALFA. Has been introduced by our Agricultural Department. It was found growing on the high lands of Asia, and is especially adapted to the sudden changes of temperature that prevail there—intense heat at midday and very often frost at night, even at mid-summer. Turkestan Alfalfa resembles the ordinary cultivated alfalfa described above, excepting that the leaves are shorter and sparsely clothed with short hairs. Its cultivation has been quite successful in the arid regions of the West, and under conditions where Alfalfa fails, the Turkestan Alfalfa will prove to be of greatest value. Will grow on alkali soils. As there is much seed of the common Alfalfa sold for Turkestan, I wish to state that I have the true Turkestan Alfalfa.

Price, Nebraska Standard Grade of seed, per lb. 50c; 3 lbs. \$1.40. By freight, not prepaid, 10 lbs. \$3.00. Write for prices on larger quantities.

ESPARCETTE CLOVER. (Sanfoin or Sand Clover.) An excellent, but comparatively little known variety of special value for growing on light, dry, sandy or limestone soil. It is very deep rooted and therefore withstands drought. It is a good fodder plant on account of its high feeding value. Can be cut twice a year and is exceedingly long lived. Sow with oats or barley at the rate of 45 lbs. to the acre. If sown alone about 90 lbs. of seed should be used per acre. Cover the seeds quite deeply.

Price, Nebraska Standard Grade, lb. 50c, postpaid. Crop very short, write for prices on larger quantities.

WHITE CLOVER. This is of particular value in mixtures for pastures and lawns, and will grow on almost any kind of soil, excepting wet or very moist ground. Being very hardy and of creeping habit, it will also prevent the ground from being washed away by heavy rains. Sow 5 to 6 lbs. per acre. Seed is very scarce. Write for prices on larger quantities. **Price, Nebraska Standard Grade Seed,** per lb. 85c; 3 lbs. \$2.40, postpaid. Not prepaid, 1 lb. 75c; 5 lbs. \$3.50.

MEDIUM RED CLOVER. (June Clover.) Regarded the most important of all clovers, not only for forage, but also as a soil fertilizer. When sown for forage use 10 to 15 lbs. per acre. Enriches the soil, furnishes an immense amount of grazing, large crops of excellent hay and is a profitable seed crop. It can be sown with wheat or oats early in the spring, but will do equally well when sown in the fall. My clover seed is grown on clean land and I clean all seed with the latest improved machines. My customers can rely upon receiving only the best seed. **Price, Nebraska Standard Grade Seed,** per lb. 45c; 3 lbs. \$1.25, postpaid. By freight or express, not prepaid, 10 lbs. \$3.25; 50 lbs. \$15.25; 100 lbs. \$30.00.

MAMMOTH RED CLOVER. (Pea Vine Clover.) This is well known for its enormous yields and for reclaiming exhausted land. It is extremely hardy and will flourish on soil which is too low and heavy for the common Red Clover. The hay is of choice quality and is greedily eaten by all kinds of stock. Sow 10 to 12 lbs. per acre. Can be sown either in the spring or fall. I furnish the true Mammoth Clover, seed of which is usually difficult to procure. The new crop seed is of extra fine quality. **Price, Nebraska Standard Grade Seed,** lb. 45c; 3 lbs. \$1.25, postpaid. Not prepaid, 10 lbs. \$3.50; 50 lbs. \$15.50; 100 lbs. \$30.25.

SWEET CLOVER, BOKHARA OR BEE CLOVER. (Melilotus Alba.) White Flowering. Will grow on any soil and is invaluable for bee food. It is greatly relished by the bees and makes superior honey. Of great value as a fertilizer. Sweet Clover will furnish the soil with bacteria for the successful growing of Alfalfa. It will make sandy soils fertile. Sow 10 to 12 lbs. per acre. **Price, Nebraska Standard, Not Scarified,** lb. 45c; 3 lbs. \$1.25, postpaid. Not prepaid, 10 lbs. \$3.50; 50 lbs. \$15.00; 100 lbs. \$29.00. **Scarified Seed,** lb. 50c; 3 lbs. \$1.40, postpaid. Not prepaid, 10 lbs. \$3.60; 50 lbs. \$15.40; 100 lbs. \$29.75.

ALSYKE OR SWEDISH CLOVER. The advantage which the Alsike Clover has over Red Clover and other varieties are its hardness and true perennial character. It adapts itself to a great variety of soils, growing on the edge of a stream and in swamp or low land, and also flourishes on dry and stubborn stiff clay and upland soils, thus being capable of resisting the extremes of drought and wet alike. It is well liked by all stock, either green in the pasture or when cured for hay. Sow 6 to 9 lbs. per acre. **Price, Nebraska Standard Grade Seed,** lb. 40c; 3 lbs. \$1.10, postpaid; 10 lbs. \$3.25; 50 lbs. \$15.75; 100 lbs. \$30.00, not prepaid.

CRIMSON CLOVER. (German Mammoth or Giant Incarnate Clover.) In this state and north of here this clover is treated as an annual plant and sown in the spring. In the South any time from July to end of September. The only clover that yields a heavy and full crop the first season. It grows about 2 feet high. Will grow on nearly all soils, and succeeds well on sandy soil. There is hardly a better crop than Crimson Clover for cutting green. It makes excellent feed for milch cows and all kinds of stock. It makes superior hay and is of great value as a fertilizer. Worn out soils can be cheaply reclaimed by growing this Clover. Sow in spring, 12 to 15 lbs. per acre. Sow 5 to 6 lbs. per acre with spring grain for fertilizing purposes. **Price, Nebraska Standard Grade,** lb. 40c; 3 lbs. \$1.10, postpaid. Not prepaid, 10 lbs. \$3.20; 50 lbs. \$15.00.



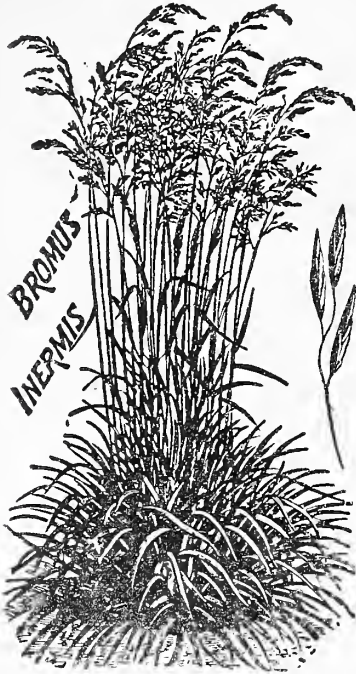
Meadow Fescue. (Page 120.)



Medium Red Clover.

GRASS SEEDS.—(Continued.)

PRICES SUBJECT TO CHANGE.



Bromus Inermis.

ITALIAN RYE GRASS. A quick growing annual grass. Will grow on almost any soil, but thrives best on rich, moist land, where large crops can be produced. Valuable for hay and pasture. It is well adapted for pastures on account of its early growth in spring, and its quick and successive aftergrowth when closely cropped. For this reason it is very valuable to sow as a catch crop in clover fields where the clover has dried or winter killed. When mixed with Crimson Clover and sown on these bare spots in spring, a full crop can be counted on from these fields. Grows 2 to 4 feet high. Sow 20 to 25 lbs. per acre. **Price: Nebraska Standard Grade, lb. 25c; 3 lbs. 65c, postpaid; 10 lbs. \$1.70; 50 lbs. \$8.25; 100 lbs. \$16.00, not prepaid. Sacks included.**

BERMUDA GRASS. For the Southern states particularly, this grass is best adapted, and of great value. It is the chief reliance there for pasture and hay, furnishing rich and green pasture during nine months of the year. On good land it will cut two to four tons of nice hay per acre. It grows wherever corn and cotton grow. It grows luxuriantly during the driest weather and will withstand the winters as far north as Central Kansas. Sow in spring 5 lbs. per acre. **Price: lb. \$1.00, by mail postpaid; 5 lbs. not prepaid, \$4.25.**

FANCY KENTUCKY BLUE GRASS. Very valuable and very popular as a permanent pasture grass. The seed may be sown in early spring or fall or during the winter on a light fall of snow. Sow 20 to 30 lbs. per acre for pasture or 60 to 100 lbs. for lawn. My seed is government tested, first class in every particular and contains no Canada Blue Grass. **Price: Nebraska Standard Grade, lb. 40c; 3 lbs. \$1.10, postpaid. By freight, not prepaid, 10 lbs. \$3.30; 50 lbs. \$15.50; 100 lbs. \$20.00.**

TIMOTHY. Unsurpassed for hay and greatly liked by all stock. Best suited to moist, rich and loamy soils. Timothy hay always commands the highest market price. An excellent meadow can be made by sowing 3 lbs. of clean Red Top and 1 or 2 pounds of Red Clover with about 8 pounds of Timothy per acre; 10 to 12 pounds are required when sown alone. My seed is home grown, of extra nice quality, and free from weed seed. Please write for prices on larger quantities. **Price: Nebraska Standard Grade, per lb. 25c; 3 lbs. 60c, postpaid; 10 lbs. \$1.25; 50 lbs. \$5.50; 100 lbs. \$10.50, not prepaid. Grain bags 45c each extra.**

ORCHARD GRASS. A valuable grass for pasture or hay land, and on account of its earliness, very valuable for permanent pastures. It furnishes the first green bite in the spring, and the last in the fall, and is quick to recover from close cropping. It is well suited to shady places, such as orchards and groves. It is good practice to sow Red Clover with Orchard Grass, either for hay or pasture. According to chemical analysis, Orchard Grass is equal, if not superior to Timothy. Orchard Grass is of great value for early and late pasture and in the South can be pastured nearly the entire year. Does well in our Western States. It is also quite valuable for binding soils. Sow 20 to 30 lbs. per acre. **Price: Nebraska Standard Grade, per lb. 45c; 3 lbs. \$1.25, postpaid. By freight, 10 lbs. \$3.00; 50 lbs. \$14.50; 100 lbs. \$28.00.**

JAPAN CLOVER. Well known in the South. Grows most anywhere and lasts a long time; on sands, gravels or denuded clay hill tops, no other plant is so valuable for grazing. On medium good land up to three tons of hay per acre is no unusual yield. Will thrive in any soil and withstand the driest weather. Sow in spring, 15 to 20 pounds per acre, by itself, or in the fall with winter rye or winter oats.

Price, Nebraska Standard, per lb. 42c; 3 lbs. \$1.25, postpaid. Write for prices on larger lots.

MEADOW FESCUE, or English Blue Grass. Succeeds well in almost all soils, from high, dry land to moist, standing the summer heat excellently. It is valuable as a pasture grass, being one of the earliest in the spring and latest in the fall. It is highly recommended as a large yielding, nutritious pasture and hay grass for all sections of the country as far south as Tennessee, and west into central Kansas. In central Kansas in particular, where timothy does not succeed, it is perhaps the best grass that could be grown. Sow either in spring or fall. Sow 20 to 30 lbs. per acre. **Price, Nebraska Standard Grade, lb. 35c; 3 lbs. \$1.00, postpaid. By freight, 10 lbs. \$2.60; 50 lbs. \$12.75; 100 lbs. \$25.00, not prepaid. Sacks included.**

TALL MEADOW OAT GRASS. The earliest of all grasses, and one that has naturalized itself all through the Western States. It is the first grass to show itself in the spring, and grows rapidly in good soil showing a height of 4 feet by June. It will furnish two and three cuttings per year and is invaluable for early and late pasturage. It seems to keep green both summer and winter, longer than any other grass, and for this reason is also known as Evergreen Grass. Farmers in sections where Timothy does not succeed will make no mistake by sowing this grass liberally. I recommend a mixture of about 10 lbs. each of Meadow Oat Grass, Bromus Inermis and Meadow Fescue, to which Clover seed may be added. Sow 20 to 25 lbs. per acre when sown alone. **Price, Nebraska Standard Grade, per lb. 45c; 3 lbs. \$1.25, postpaid; 10 lbs. \$3.20; 50 lbs. \$15.50; 100 lbs. \$30.00, not prepaid.**

PERENNIAL RYE GRASS. (English Rye Grass.) A nutritious permanent grass for meadows and pastures, or for mixing with other grasses for lawns. It is also well adapted for permanent meadows and yields large quantities of very nutritious hay. It makes a quicker, leafier growth than most other grasses, succeeds in the shade as well as in the open, and may be sown with good results in orchards or woodland pastures. Sow my Nebraska Standard in spring and fall at the rate of 20 to 30 lbs. per acre. **Price: Nebraska Standard Grade, lb. 30c; 3 lbs. 85c, postpaid. By freight, 10 lbs. \$1.35; 50 lbs. \$6.50; 100 lbs. \$12.00 not prepaid. Sacks included.**

BROMUS INERMIS. (Hungarian Brome Grass.) This pre-eminent drought resisting grass stands at the head of all, and is destined to lead as the most satisfactory and valuable forage grass in all localities where arid soils demand a plant with ability to withstand drought. Stands intense cold equally as well. It will produce a big crop of hay on land that is too poor for clover or timothy. May be sown in autumn with winter wheat or in early spring. In the Southern states sow in February or March, preparing the land as for other grasses. For hog pasture a mixture of Bromus Inermis and Alfalfa, where the latter succeeds well, is recommended by Prof. Ten Eyck, of Kansas State Agricultural Experiment Station, and he also suggests for large pastures for cattle a mixture of the following per acre: Bromus Inermis 10 lbs., Orchard Grass 6 lbs., Meadow Fescue 8 lbs., Red Clover 1 to 2 lbs., added to this mixture. For worn out pastures he advises to disc early in the spring, following with a harrow and sow Bromus Inermis. Sow 20 to 30 lbs. per acre if sown alone. **Price: Nebraska Standard, 1 lb. 40c; 3 lbs. \$1.10, postpaid. By freight, 10 lbs. \$2.60; 50 lbs. \$12.50; 100 lbs. \$24.00 sacks included.**



Kentucky Blue Grass.

I DO NOT PREPAY THE FREIGHT CHARGES ON FIELD SEED ORDERS OF \$10.00 OR MORE. THIS APPLIES TO TREES AND SEEDS ONLY.

GRASS SEEDS —(Continued.)**PRICES SUBJECT TO CHANGE.**

WATER FESCUE GRASS. A very valuable grass for improving low and wet meadows, marshes or sloughs. It succeeds best on moist and wet land which is often under water. It is not well adapted for sowing by itself, but does better if sown together with other varieties adapted for low ground, when a large quantity of fine hay can be secured in this way. **Price: Nebraska Standard Grade, lb. 50c; 3 lbs. \$1.40, postpaid.** Write for prices on larger lots.

RED TOP. Valuable for most soils. Good permanent grass. Stands our climate well; is adapted to our pastures. Has succeeded on alkali soils when other grasses failed. Fancy clean or hulled seed; sow 8 to 10 lbs. per acre. **Price: Nebraska Standard Grade, per lb. 40c; 3 lbs. \$1.10 postpaid.** By freight, 10 lbs. \$1.90; 50 lbs. \$9.25; 100 lbs. \$18.00, sacks included.

SUDAN GRASS.

This new grass was introduced into the U. S. in 1909. It has been thoroughly tested out by the U. S. Dept. of Agriculture, and they report that Sudan Grass will be of the greatest value in the Central States, and especially in parts of the States that are deficient in rainfall. Sudan Grass has all the good qualities of Johnson Grass, and yet it does not have the objectionable feature of Johnson Grass; that is, the root stalks by means of which Johnson Grass spreads out from year to year and becomes a pest. Sudan Grass is strictly an annual and dies each year like Millet and must be re-seeded again each spring. It grows very tall, reaching a height of 6 to 8 feet. The stalks are very small and rarely thicker than a lead pencil. It can be cut two to four times a season and makes enormous yields. For feeding the hay is equal to timothy hay. Sow in spring as soon as ground has become warm and danger of frost is past, in drills 2 to 6 pounds per acre. Northern grown seed, free from Johnson Grass, lb. 30c; 5 lbs. \$1.40, postpaid. By express or freight, 5 lbs. \$1.20; 10 lbs. \$2.10; 50 lbs. \$10. not prep.

LAWN GRASS SEED.

This is a mixture of the best varieties of grass seeds suited for growing together, and make a beautiful, soft, velvety lawn and keep green from early spring all through the hot, dry summer weather, until late in the fall. It comes up quickly, and after once up it soon spreads to cover the ground and is ready for the lawn mower in six to eight weeks. It is permanent, maintaining its beauty for many years. This mixture I make myself from new crop, re-cleaned pure seeds of the best varieties. One pound will cover about 300 square feet. **Price: lb. 45c; 3 lbs. \$1.25, postpaid.** By freight or express, not prepaid, 10 lbs. \$3.50; 50 lbs. \$17.00, sacks included.

Sterling, Kans., R. 2, B. 74A, 3-17-17.

We received our seeds by parcels post all O. K. Certainly were nice. Also received the two peck of potatoes by express in fine shape. They were fine. I hope my trees will be as good as the seeds and potatoes were. If they are, I will sure deal with the Sonderegger Nurseries hereafter. I did not expect to receive any goods until I forwarded the money to you, but that is all right; you will receive the money just the same, and many thanks to you for your great kindness to me.

ALBERT SNOOK.

Saddle, N. Car., Mar. 21-1917.

I have been ordering from you four years, and I am glad to say your seeds are all you claim them to be. I have enticed several to order from you.

MARY GRIFFITH.

Beaver Dam, Wis., 513 York St., Apr. 25-17.

Your seeds are the best, and I buy nothing else. If I had a place of my own, nothing else would be planted there but trees and plants from your company.

MRS. FRED BROWN.

SPECIAL CLOVER GRASS MIXTURES.**FOR PERMANENT PASTURES AND MEADOWS.**

By sowing these Grass Mixtures a much larger yield per acre can be obtained than if only one or two varieties are sown. A pasture containing a variety of grasses and clover is again as productive and can be pastured earlier and longer than if but one kind of grass or clover is used. I have carefully studied this subject and my mixtures are prepared to suit the requirements of the different soils and the purposes for which they are to be used. Write me giving full particulars as to soils, etc. In making up these grass mixtures I use my Nebraska Standard grade seed only and my prices rule accordingly. Please bear this in mind when comparing prices.

SMALL QUANTITIES BY MAIL. For trial I send any of the mixtures below, 3 lbs. for \$1.10 postpaid

Mixtures for Permanent Pastures.

20 lbs. per acre or 10 lbs. for top seeding.

- No. 1. For medium soils.
- No. 2. For high, sandy and dry soils.
- No. 3. For high, dry land, heavy or clay.
- No. 4. For low, wet ground.

Price: 20 lbs. \$4.00; 50 lbs. \$8.75; 100 lbs. \$17.00.

Mixture for Sheep Pasture.

For permanent pasture on high, dry soils. 25 lbs. per acre, or 15 lbs. for top seeding.

Price: 25 lbs. \$5.25; 50 lbs. \$9.25; 100 lbs. \$17.00.

Mixtures for Permanent Meadows.

20 lbs. per acre, or 10 lbs. for top seeding

- No. 5. For medium soils.
- No. 6. For high, light and dry soils.
- No. 7. For high, dry land, heavy or clay.
- No. 8. For moist, rich soil, or land subject to overflow.

Price: 20 lbs. \$4.00; 50 lbs. \$8.75; 100 lbs. \$17.00

Mixture for Wood Pasture.

For shady woodland, 20 to 50 lbs. per acre.

Price: 20 lbs. \$4.25; 50 lbs. \$10.00; 100 lbs. \$18.00

FIELD PEAS.

Valuable for fattening stock. Can also be grown to best advantage for soiling purposes. Of great nutritive value for fodder, either when the matured peas are fed as ground feed or when the vines are used for hay. Can be sown alone or with oats; if sown alone, 2 bushels per acre; with oats, 1 bushel of peas and 1½ bushel of oats.

CANADA YELLOW OR GOLDEN VINE. Ripens early and is a good yielder. **Price:** 3 lbs. 60c, postpaid. By freight, pk. \$1.60; bu. \$6.00; 2 bu. \$11.75, sacks included.

GREEN CANADA. Very hardy, extra early and a good yielder. 3 lbs. 60c, postpaid. By freight, pk. \$2.10; bu. \$8.00; 2 bu. \$15.75, sacks included.

COW PEAS.

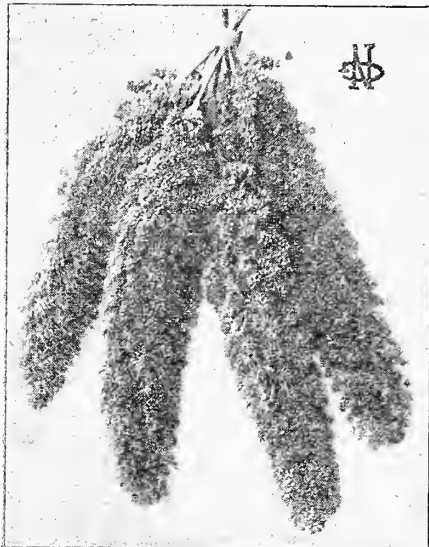
Largely grown in Southern States, as a hay crop and fertilizer, in which respect they are of great value. May be sown in corn at time of last cultivation or after a crop of early potatoes. Sow broadcast at the rate of 1½ bushels per acre, or they can be planted in rows about 3 feet apart with a corn planter. This will require only ½ bushel per acre. **Prices subject to change.**

NEW ERA. The earliest variety and the best sort for the North and West. **Price:** 3 lbs. 65c postpaid. By freight, not prepaid, pk. \$1.50; bu. \$4.85.

WHIPPOORWILL. A favorite in Oklahoma, Texas and the South. 3 lbs. 65c postpaid. By freight, not prepaid, pk. \$1.50; bu. \$4.85.



Sudan Grass.



German Millet.

MILLET.

A paying crop for the stock raiser and dairy farmer, because it is of the greatest feeding value and milk producing quality. It will yield much more good hay per acre than timothy and clover. When spring is so unfavorable and wet that other crops fail to grow, Millet can be put in as late as June 15th, and can be depended upon to make a good crop. Prices are subject to market changes.

GERMAN OR GOLDEN MILLET. Matures about two weeks later than common millet. It grows from 4 to 5 feet high, yielding any abundance of leaves; heads closely condensed; spikes very numerous; seeds round, golden yellow, in rough sheaths. Sow 50 lbs. per acre, or for seed 25 lbs. Price: 3 lbs. 40c postpaid. By freight, not prepaid, 10 lbs. 80c; 50 lbs. \$3.50; 100 lbs. \$6.85.

NEW SIBERIAN. Is earlier than all other kinds and wonderfully productive. Makes fine hay and rust proof; withstands droughts well and is extremely hardy. Will yield 50 to 75 bushels of seed per acre. Seed is of reddish color. Sow 25 to 35 lbs. per acre. Price: 3 lbs. 40c postpaid. By freight, 10 lbs. 80c; 50 lbs. \$3.50; 100 lbs. \$6.85.

JAPANESE MILLET. Also called "Billion-Dollar Grass." Especially valuable for the Northern States. It yields an enormous crop of foliage, which is greatly relished by stock. When cured it makes an excellent hay. Can be sown until the end of July. Sow the seed broadcast at the rate of 15 lbs. per acre, or in drills 12 to 18 inches apart, using 12 to 15 lbs. per acre. Price: 3 lbs. 55c postpaid. By freight, 10 lbs. 80c; 50 lbs. \$3.75; 100 lbs. \$7.25.

PEARL MILLET. Entirely different from ordinary millet. An immense fodder yielder of tall growth, highly recommended by the U. S. Department of Agriculture. Price: 1b. 25c; 3 lbs. 70c, postpaid. By freight, 10 lbs. (for one acre) \$1.00. Write for prices on larger quantities.

Millet seed should be shipped in strong grain bags to insure safe transit. I make an extra charge of 45c each for new grain bags.

BEST PLANTS FOR BEE CULTURE.

BOKHARA OR BEE CLOVER. (Melilotus Alba.) Will grow on any soil and is invaluable for bee food. It is greatly relished by bees, and makes superior honey. See also under Grass Seeds, page 119. Price: Scarified Seed, 1b. 50c; 3 lbs. \$1.40, postpaid.

CERINTHE OR WAX PLANT. Beautiful and easily grown annual flowers, furnishing excellent bee pasture. Price: oz. 20c; ¼ lb. 50c; 1b. \$1.50, postpaid.

PHACELIA. (Tansy-leaved.) Best of all bee foods. Is much liked because of the mild honey it furnishes. Plants grow about 3 feet high and bloom very quickly. Requires 4 lbs. of seed per acre. Seed is small and should be covered but little. Price: oz. 25c; ¼ lb. 85c; 1b. \$3.25 postpaid.

BORAGE. Excellent bee plant of quick growth and easiest culture. Price: oz. 20c; ¼ lb. 50c.

BIRD SEEDS.

IDEAL MIXED. Best grade of re-cleaned seed in this mixture. For singing canaries and small birds. Per lb. 12c; 3 lbs. 30c. Postage 10c per lb. extra.

GOOD MIXED. For ordinary canaries, etc. Not recommended for singing canaries. Per lb. 10c; 3 lbs. 25c. Postage 10c extra per lb.

SICILY CANARY. The best grade imported Sicily canary. Per lb. 12c; 3 lbs. 30c. Postage 10c extra per lb.

RUSSIAN HEMP. Rich, oily seed, liked by all birds. Should be fed sparingly. Per lb. 12c; 3 lbs. 30c. Postage 10c extra per lb.

GERMAN SUMMER RAPE. Best for canaries. Best imported seed only. Per lb. 15c; 3 lbs. 40c. Postage 10c extra per lb. Not prepaid, 10 lbs. 70c.

RUSSIAN SUNFLOWER. Best food for parrots, red birds, etc. Per lb. 15c; 3 lbs. 40c; 10 lbs. \$1.25. Postage 10c extra per lb.

FRENCH WHITE MILLET. For canaries and other small birds. Per lb. 20c; 3 lbs. 50c. Postage 10c extra per lb.

LETTUCE SEED. Liked by all canaries. ¼ lb. 10c; 1b. 30c, postpaid.

BIRD DAINTIES. Composed of various kinds of seed relished by all birds. Large pkt. 10c postpaid.

TREE SEEDS.

FOR FULL DESCRIPTION SEE PAGES 28 TO 33.

The seed comes quickest and best when planted in rich, sandy loam. Plants should be naturally or artificially sheltered from heavy east and northeast winds.

ASH. (White.) Fraxinus Americana. Soak the seed for 24 hours in luke warm water. Sow early in spring or fall and cover 2 inches. Pkt. 5c; ¼ lb. 25c; 1b. 60c, postpaid.

ALANTHUS. Tree of Heaven. Sow seed in spring when the ground has become warm, and cover 2 inches. Oz. 10c; ¼ lb. 20c; 1b. 60c, postpaid.

BOX ELDER. Acer Negundo. Culture same as Ash. Pkt. 5c; ¼ lb. 25c; 1b. 65c, postpaid.

CATALPA SPECIOSA. Hardy Catalpa. Culture same as Alanthus. Pkt. 5c; ¼ lb. 40c; 1b. \$1.25, postpaid.

LOCUST, BLACK OR YELLOW. Robinia Pseudacacia. Soak seed for 24 hours in warm water before sowing. Cover 2 inches. Sow in spring. Pkt. 5c; ¼ lb. 20c; 1b. 65c, postpaid; 10 lbs. \$4.75, not prepaid.

HONEY LOCUST. Gleditsia Trilacanthos. Pour warm water (120 degrees) over seed, stir well ten minutes and let seed remain in water 24 hours. Then sow, cover 3 inches. Seeding time—spring. Pkt. 5c; ¼ lb. 20c; 1b. 65c, postpaid; 10 lbs. \$4.75, not prepaid.

MOUNTAIN ASH. Sorbus Aucuparia. Sow the seed very early in the spring and cover 2 inches. Sometimes the seed will not germinate until the second year. Oz. 10c; ¼ lb. 20c; 1b. 65c, postpaid.

HACKBERRY. Celtis. Sow early in spring, covering about 2 in. Pkt. 5c; ¼ lb. 25c; 1b. 75c, postpaid.

MULBERRY, RUSSIAN. Morus Nigra. Sow in the spring when ground has become warm, covering ½ inch. Pkt. 5c; oz. 20c; ¼ lb. 60c; 1b. \$2.00, postpaid.

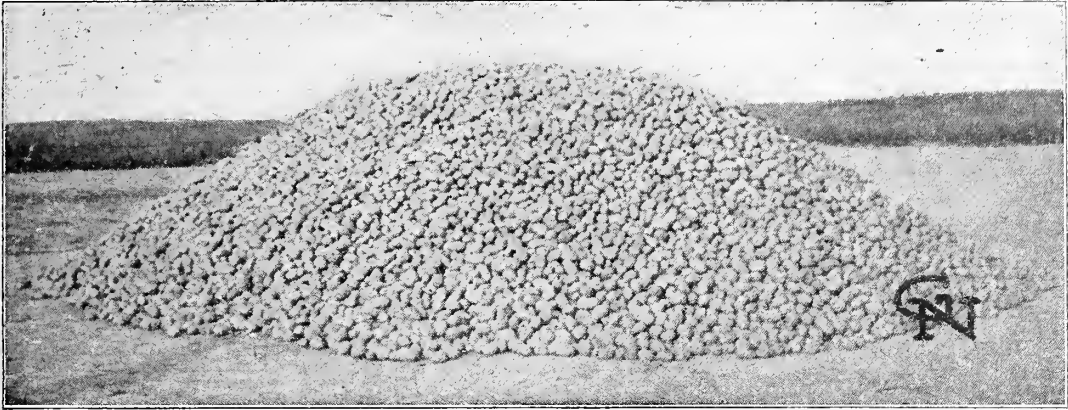
OSAGE ORANGE. (Hedge Plant.) Maclura Aurantiaca. Before planting soak the seed in water for 6 or 7 days, changing the water every day. Cover 3 inches. Seeding time—spring. Pkt. 5c; ¼ lb. 25c; 1b. 75c, postpaid.

PERSIMMONS. Diospyros. Sow seed in spring and cover 2 or 3 inches. Oz. 10c; ¼ lb. 25c; 1b. 65c.

FRENCH CRAB APPLE. Best French Seed. Sow early in spring and cover 1½ to 2 inches. If sown later, seed must be first soaked in water for 3 or 4 days, changing the water every day. Pkt. 5c; oz. 15c; ¼ lb. 40c; 1b. \$1.25, postpaid.

MAHALEB CHERRY. Sow seed thickly and cover 2 inches. If sown in spring they will come up the following spring. Fall seeding will make plants the next year. Oz. 15c; ¼ lb. 35c; 1b. \$1.00, postpaid.

RUSSIAN OLIVE. Elaeagnus. Sow seed in spring, after soaking same in luke warm water for several hours; cover about 2 inches. Pkt. 10c; ¼ lb. 25c; 1b. 75c, postpaid.



A photograph of potatoes raised by Ernest C. Eberhart, Superior, Nebr. These were raised from my Choice Northern Grown Seed Potatoes, during the dry season of 1916.

CHOICE NORTHERN SEED POTATOES.

My Seed Potatoes are guaranteed strictly Northern grown; I get them grown on contract by potato specialists in the extreme northern section of Red River Valley, Minnesota. It is essential to change your seed potatoes every few years if you wish to secure the largest yield, combined with the best quality. Price by the pound includes postage, larger quantities to go at buyer's expense.

GOOD SEED POTATOES are very scarce this season and the prices are somewhat higher than usual. As my catalog goes to press early in the season, my prices are subject to market changes. If my stock of Bliss Triumph, Irish Cobbler or White Ohio potatoes should be sold out when I receive your order, shall I substitute Red Ohio potatoes or refund your money?

RED RIVER BLISS EXTRA EARLY TRIUMPH. This is considered the earliest of all potatoes and is the leading early potato of all Southern States. We are all familiar with it as sold at the grocery stores when the first NEW POTATOES are shipped in. It is at least a week earlier than the Early Rose and the Early Ohio. The tubers are of a very handsome appearance, being almost round and most uniform in shape and size, with slightly depressed eyes, which are mostly on the seed end. The skin is of a pretty light red color, while the flesh is of the purest white, both raw and when cooked. Its beautiful appearance, wonderful productiveness and superior table qualities make this potato a favorite for the early market, wherever introduced. It produces at least from 12 to 15 tubers per hill, all of marketable size. My Red River grown Triumphs can not be excelled. **Price:** 3 lbs. 50c, postpaid. By freight, not prepaid, pk. 85c; bu. \$3.25; 5 bu. \$14.75, bags included. Per bbl. (11 pecks) \$9.25.

RED RIVER IRISH COBBLER. An excellent extra early variety, maturing good sized tubers 7 weeks from the time of planting. It has also the remarkable characteristic of producing very few, if any, small potatoes, all the tubers being of marketable size. The vines are short, of upright growth, so that the hills may be only a short distance apart. Skin is clean and smooth, flesh is pure white and of excel-

lent quality, always cooking dry and mealy. The Irish Cobbler enjoys the distinction of being the only variety that is planted more extensively on Long Island (New York) than any other potato. **Price:** 3 lbs. 50c, postpaid. By freight, not prepaid, pk. 65c; bu. \$2.50; 5 bu. \$12.00. Per bbl. (11 pk.) \$7.20.

RED RIVER EXTRA EARLY OHIO. This is without doubt the most popular early potato in the country. I have more calls for it than for any other early. Everyone knows what it is and knows that it can be relied upon for an early market variety in almost every locality. They grow stronger and more vigorous, maturing the crop in shorter time and yielding much more than home seed, so that there is the utmost satisfaction in planting them. Potato growers in the South will have their crop ready for market from ten days to two weeks earlier if my Red River Ohios are planted. **Price:** 3 lbs. 50c, postpaid. By freight, pk. 65c; bu. \$2.40; 5 bu. \$11.50, bags included. Per bbl. (11 pecks) \$7.00.

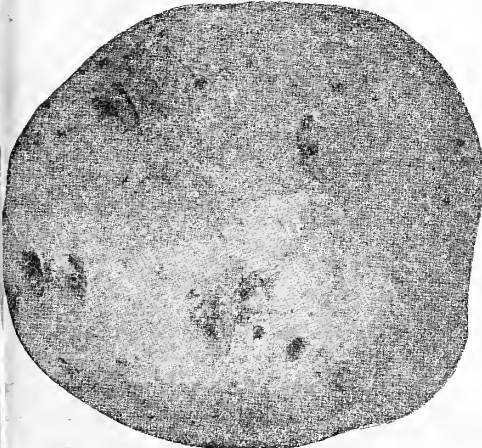
RED RIVER WHITE EARLY OHIO. No potatoes have been introduced during recent years that deserve so much attention as the White Ohio. As the name indicates, they are identical in every way with the Red Early Ohios, the same form and type, but white in color, excepting the eyes, which are pink or red. It is a good yielder and strong, healthy grower, and will not scab as easily as the old Early Ohio. As an early market potato the White Ohio is of the greatest value, for it is the only early White Potato so far introduced that has any special merit. It is just as good in quality, will ripen as early and seems to yield even better than the Red Ohio. **Price:** 3 lbs. 50c postpaid. By freight, not prepaid, pk. 65c; bu. \$2.50; 5 bu. \$12.00, bags included. Per bbl. \$7.25.

RED RIVER RURAL NEW YORKER. Well known the country over, and very largely planted for a profitable crop. "Dusty Rurals" always bring the top price in Chicago markets. When Rurals first made their appearance in 1889, an entirely distinct class of potatoes were introduced unknown up to that time. The class is characterized by a long, rather spindling vine, with dark colored stalks, dark green leaves and purple blossoms, tubers nearly round, flattened, with a very smooth, pure white skin, uniform in size, numerous in hill, very attractive and of excellent flavor. **Price:** 3 lbs. 50c, postpaid. By freight, pk. 65c; bu. \$2.50; 5 bu. \$12.00, sacks included. Per bbl. (11 pk.) \$7.20.

HYBRIDIZED POTATO SEED. Potato seed from the flower boll (the true seed). It is from such that the choice new varieties of potatoes are originated. Pkt. 15c.

"ACME" HAND POTATO PLANTER. This planter enables one man, going over the field but once, to plant two or more acres of potatoes in a day. And this almost as easily as he could walk the same distance in the same time. **Price:** \$1.25 by express or freight, not prepaid.

The following report shows the results obtained by the Gage County Crop Impr. Association in their experiment in growing potatoes from Northern and home-grown seed. The 1914 season was very dry, and many farmers who planted an equal amount of Northern and home-grown seed for experiment, found that the potatoes from home-grown seed were so small that they dug into the Northern grown stock. Consequently, there were only nine accurate reports received which showed an increase for the Northern grown seed of 28 bu. or 37 per cent per acre. 1915 was a very wet season, and from 22 accurate reports the Northern grown seed showed an increase of 91.9 bu. or 81.7 per cent per acre. For both of the seasons there was a much larger difference in the quality than the yield, which was also in favor of the Northern grown seed.



Red River Bliss Early Extra Triumph.

ROCHESTER BARREL SPRAYER.

Rochester Barrel Sprayer.

This Barrel Sprayer is intended for orchard or field spraying, and can be mounted on either the end or side of an ordinary barrel, or on a tank.

When desired, two lengths of hose and two or four nozzles can be used by attaching a large Y to the screw spout of pump, so enabling you to spray from both sides of the wagon at the same time.

This pump has a large air chamber and possesses great power and force. The churn dash agitator attached to piston thoroughly mixes the solution at every stroke of the pump handle.

I do not furnish barrels, as suitable ones on which pump is easily mounted can be secured, in all localities.

At prices quoted below, each pump is fitted with five feet of hose, five feet of extension pipe and one "Kant-Klog" nozzle, making a splendid outfit, fully guaranteed, at a very low cost.

No. 8 with all brass plunger, brass valve and valve seat.....\$14.00

When desired I furnish a three-quarter inch shut-off cock for \$1.00

Large Y for attaching 2 hose to spout, 80c; additional hose, 14c per ft.

ROCHESTER "KANT-KLOG" SPRAYER.

On the "KANT-KLOG" nozzle described below, the item of labor alone is **three times** what the ordinary nozzle can be furnished for. Hose is high-grade—supported by coiled spring to prevent breaking, couplings solid brass with standard cut threads. Air pump of heavy brass tubing two inches in diameter. The Sprayer body is made of heavy polished brass. Both top and bottom are dome shaped, joined to body under heavy pressure, making a complete double seam. When completed this body is thoroughly tested at double the pressure ordinarily used, the result being that **not one in a thousand** give any of the troubles common with other constructions. A few seconds working of the air pump charges the sprayer with compressed air, a powerful and elastic force which discharges the liquid in the form of either fine sprays or solid streams as desired. Each sprayer is fitted without extra charge with "KANT-KLOG" nozzle for making two round and one flat

sprays, two solid streams, thumb pressure spring hose-cock, carrier strap and safety valve.

Price, with Polished Brass Body.....\$8.00

ROCHESTER "KANT-KLOG" NOZZLE.

Throws Nine Different Sizes of Round Spray, Flat Spray and Solid Streams.

Three of each and all of different size, volume and fineness. A greater variety of sizes and shapes than any nozzle ever made. Satisfies the most exacting customer. Another most important feature is the device for removing any obstructions resulting from not having properly mixed or strained solution. This is accomplished by simply pressing the end of the nozzle against a limb, the cleaning pin and current doing the work without loss of time and patience. Notice there are no projecting parts to catch on limbs of trees. When spraying field crops, the cleaning is done by pressing the rim of nozzle with the thumb. Made of heavy polished brass with 1/4-inch cut threads. Price, \$1.00.

ROCHESTER NEW SPRAY AND FORCE PUMP.

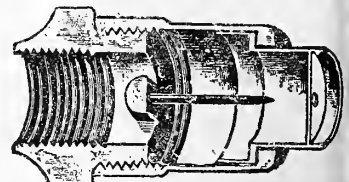
We do away entirely with the objectionable foot-rest, clamps, leather suction, packing, etc. This pump requires **no fastening of any kind**, holds itself down and works anywhere and everywhere. All the operator need do is to press the plunger down. **It rises of itself**, the upward stroke being made by a brass spring forcing the cylinders apart. The all-brass suction working within a brass cylinder with all brass valves, does away entirely with all leather, rubber or other packing. It is practically impossible for any part to get out of order. Everything except handle and hose is **Solid Brass**. Is the **Easiest Working** and will do more different kinds of work than any pump ever made. Will pump from a pail, barrel, tank, spring or creek. Without fastenings of any kind, it stands firmly wherever placed. Weighs only 4 pounds and is **Ready for Instant Use Everywhere**. Farmers with an ordinary amount of spraying put a barrel on their wagons, set this Pump in and spray their trees as effectively as their neighbor who uses an outfit weighing and costing five times as much. Will throw two solid continuous streams, one flat spray and one fine round spray. Has automatic mixer to keep solution stirred; pleases everybody and will last a lifetime. Price of pump complete as shown in cut, \$4.25.

"Kant-Klog" Sprayer.

Rochester Spray and Force Pump.



"Kant-Klog" Sprayer for Spraying Poultry Houses



"Kant-Klog" Nozzle,

BRANDT DAISY DOUBLE ACTION SPRAYER.

Works both ways of stroke, giving twice the results with half the work. Will not turn over on its side and allow the liquid to run out. Made in brass. Holds one quart.

Price: \$1.00 each; by paid parcel post, \$1.15.

BRANDT MIDGET SPRAYER.

Capacity one pint. Tank three inches in diameter by three inches in length. Made of heavy tin. Nice to spray house flowers with.

Price: each 25c; by paid parcel post, each 35c.



Brandt Daisy Double Action Sprayer.

(DO NOT PREPAY FREIGHT CHARGES ON FIELD SEED ORDERS OF \$10.00 OR MORE. THIS APPLIES TO TREES AND PLANTS ONLY.)

"IMPERIAL" SPRAY OUTFIT.

This outfit is complete and ready for operation. Holds 32 gallons. Is mounted on two 30-inch wheels with 2-inch oval face, balance with sufficient weight on the handles to hold it steady on rough surfaces. Is fitted with our No. 5 "King" pump. The pump is held in place by two strong castings and may be adjusted up or down to suit the height of the operator. A mechanical agitator keeps the liquid well mixed. All valves and working parts are brass and the outfit has the following equipment:

Ten-foot 5-ply pressure hose; one brass shut-off cock; 8-ft. iron pipe extension; one single "IDEAL" nozzle. Shipping weight about 130 lbs. **Price:** not prepaid, \$25.00.

SPRAYING MATERIAL.

Insecticides cannot be sent by mail. The prices quoted are net. Purchaser must pay all express or freight charges. For prices on larger quantities than quoted, write. Any information desired in relation to insecticides or fungicides will be given as far as data at hand will permit.

BORDEAUX MIXTURE.

Regular Bordeaux Mixture can only be used against fungus and scales, while the Bordeaux Mixture I offer here has enough poison mixed in to kill all chewing insects, such as eat the leaves, and can be used wherever Arsenic of Lead, Paris Green and London Purple are used.

This is the finest and best article of its kind made in America. Ready for immediate use. Works freely without clogging, in any spraying machine. To be diluted 25 to 50 times with water and sprayed. This article is so well made that it covers a very large leaf surface; the even distribution in minute mass is what does the protective work. It sticks effectively. **Price:** 1 quart can, 60c; 1 gallon can, \$1.75, not prepaid.

HAMMOND'S SLUG SHOT.

A combination of the most potent insecticides and soluble plant foods. It destroys all insects injurious to house or garden plants, shrubs, trees, vines, potatoes, melons, cabbage, currants and vegetables and fruits of all kinds. This preparation, though poisonous to insects, does not injure the foliage.

Not prepaid, 5 lbs. 60c; 10 lbs. \$1.00. By mail 7c per lb. extra. I also have Slug Shot in 1-lb. cartons with perforated top, ready for use. **Price,** 1-lb. cartons, 25c each. Postpaid, 30c each.

TOBACCO DUST.

Destroys rose bugs, lice, cut worms, vine bugs, tomato worms, currant worms, cabbage lice and worms and parasites of all descriptions. Should be applied when foliage is wet. Will not burn or injure the plants. **Price:** lb. 10c; 5 lbs. 45c; 7c per lb. extra if sent by mail. Not prepaid, 10 lbs. 85c; 100 lbs. \$8.00.

SULPHO TOBACCO SOAP.

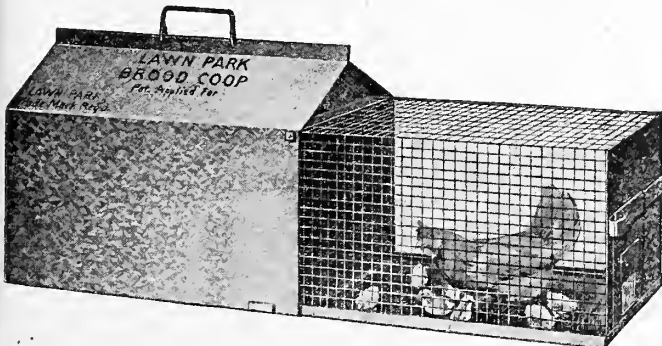
It quickly exterminates all insect life on plants and flowers in and out of doors. Destroys squash, melon and potato bugs. Makes a good wash for dogs and all animals. Prevents poultry lice. 3 oz. cake (for 1½ gallons) 10c, or postpaid, 15c; 8 oz. cake (for 4 gallons) 20c, or 28c postpaid.

BUG DEATH.

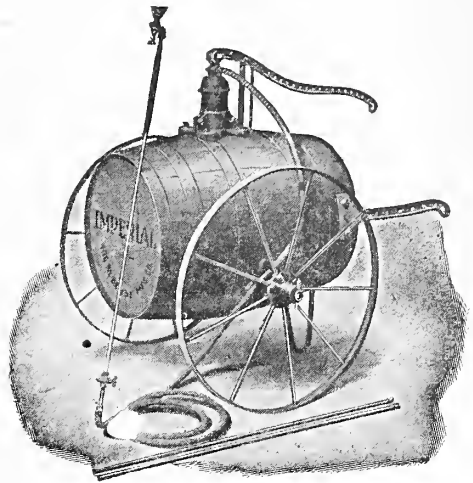
This preparation I highly recommend. It is sure death to the potato bug and all other vegetable pests and besides, it acts as a fertilizer. I feel much confidence in offering this to any of my customers who want a quick-acting, non-poisonous bug killer. It can be used on all vegetable and fruit crops with excellent results. 1-lb. pkg., 25c; 3-lb. pkg., 60c; 5-lb. pkg., 80c. By mail, 7c per lb. extra.

THE "LAWN PARK" COOP.

This is a Parking Coop, made so as to telescope (see cut). It gives double the ranging space when fully extended and gives the chicks the natural condition they need for healthy, vigorous growth, namely, sunshine, fresh air and grass. It absolutely protects from rats, cats, dogs, hawks and other enemies, also from dampness and vermin. It is sanitary and easily cleaned. In hot weather it is as cool as any place outdoors. If weather is cold or stormy or too damp, push the park in and the brood and hen are securely sheltered. The "Lawn Park" Coop makes an ideal place for setting a hen. Here, with park extended, she may have small range and access to food and water, and not be disturbed. Also excellent to break up the broody hen. Size, closed, 18x24 inches, with park extended, 18x48 inches. **Price:** \$3.50 each, not prepaid.



This out shows Park extended.



"Imperial" Spray Outfit.



Johnson, Nebr., June 18-17.

I have an excellent garden this year grown from no other seed but Sonderegger's. **MRS. PAUL WEIBLE**

Maquoketa, Iowa.

Three years ago last spring I bought of you six Delicious Apple Trees. Last summer three of them had blossoms on and one of them was full of apples, and they were the real thing. The one tree had over 100 apples on. I have a photograph of the tree, but it was taken late when most of the apples had been taken off. If it would be of any use to you, I will mail it to you. Please let me know. I am more than pleased with the trees and this year I am looking for a full crop from the six trees, as they are healthy and certainly look fine.

N. J. RANKIN.

ELASTIC PRUNING PAINT.

Saves girdled trees, heals cuts and wounds, prevents decay, stops bleeding in pruning and kills the borer. A positive and effectual remedy for the treatment of fruit and shade trees. It is a positive and healthy stimulant to the growth of wood and bark. It is not poisonous, but no insect can abide it. It is applied like varnish. After application it never cracks and is wholly impervious to air or water, and will keep for years without change or impairment. Its qualities are known and proved. A tree may be almost completely girdled, and if, within a short time thereafter, the girdled surface be covered with Elastic Pruning Paint, the tree will suffer no substantial loss of growth, a new bark will form by degrees upon the girdled surface. It is an effectual enemy of insects and vermin that attack trees and shrubs in the bory, especially the "borer." This troublesome insect deposits its eggs in the bark near the ground in June; after being hatched, the larva saws its way into the tree, perforating it in all directions, sometimes completely girdling it. Elastic Pruning Paint is the only remedy that will absolutely destroy them in their burrow, as well as prevent a deposit of eggs, if applied for that purpose. It is the result of long experiment. Apply this paint same as house paint, using a stub or half worn paint brush and wood paddle. In cold weather, warm it up good. I can recommend this paint. I find this paint excellent for all wounds of trees and I use it in my own orchard and garden.

Price: one pint can, 60c; one quart can 80c, postpaid. By freight or express, one pint can, 45c; one quart can, 60c; one gallon can, \$2.00, not prepaid.

TREE PROTECTORS.



My Improved Tree Protectors are made from wood veneer, 10 inches wide by 20 inches long, are soaked at the lower end in creosote, which preserves the wood, coming in contact with the ground. Their advantages are: The prevention of injury from rabbits and mice; from borers, insect pests, hot blistering sun and winter blasts; from injury against the whiffle-tree when cultivating the orchard; against sun scalds. Trees thus protected will not become hide bound; it will prevent the bark from bursting open on young trees in extreme cold weather. I will furnish this protector for 2c each, \$1.50 per 100, not prepaid. Tree protectors can absolutely not be sent by parcels post.

TREE WAX.

Some of my customers have been asking for a tree wax, used in budding or grafting trees, also in pruning them, so I offer same herewith. It is the same as I use in my Nursery. **Price:** ¼ lb. 25c; ½ lb. 40c; 1 lb. 75c, postpaid.

WALKER'S EXCELSIOR PLANT FOOD.

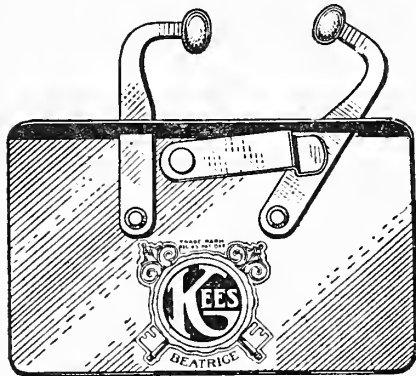
A soluble food for house plants, containing all the elements necessary to nourish and make beautiful flowers and plants, and prolongs the period of blooming. Large box sufficient for 25 plants for one year, 25c; postpaid 40c. Small package 15c; postpaid 25c.

KEES CALF WEANERS.

Weaners that fasten with split keys or buckles are hard to put on unless the calf is very seldom does. With this one all you have to do is to open it up and close it on the calf's nostrils. One arm is riveted solid to the plate. The other can be turned back to open. A small brass spring holds this arm in place. It's light—it won't catch on things—the balls are perfectly smooth—there's nothing about it to injure the calf's nose. Won't break, being made entirely of stamped steel, galvanized.

MADE IN TWO SIZES.

Price: Small, size of plate, 3 inches by 4¼ inches, 30c each, by paid parcel post. Large, size of plate, 3¾ inches by 5 inches, 35c each, by paid parcel post.



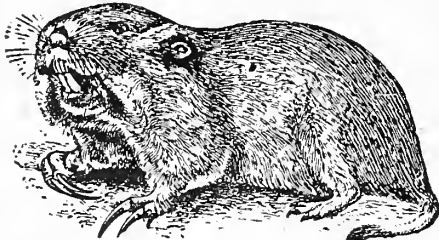
Kees Calf Weaner.

NOX-EM-ALL GOPHER TABLETS.

Kills Pocket Gophers, Ground Squirrels, Prairie Dogs, Ground Hogs and Other Rodents.

Pocket Gophers, Ground Squirrels and Prairie Dogs may be poisoned any time during the summer; but dry, sunny days in early spring, when they first appear, is decidedly the best time. For Pocket Gophers make an opening in their runway by pushing a common wagon rod or cone-shaped stick into the ground between the fresh-made hills until you find it, drop in a few tablets, plug the hole to keep out light and to prevent earth falling on the tablets. For Ground Squirrels and Prairie Dogs, scatter a few tablets in or near their holes. Ready to use. No mixing. Price, small size package, 50c; large size package, \$1.00.

THE RENKEN SURE CATCH GOPHER TRAP.



Pocket Gopher.

The trap is easy to set, all you have to do is to open the gopher hole to the main runway (no digging or covering up the trap) put the trap half length into the hole, then set the trap, and when it is set, the mouth of the trap is a little larger than the ordinary gopher hole, but if the ground is not too hard the trap is easily set. If, however, the ground is very hard and dry, enlarge the hole a little. One trap is sufficient to catch all the gophers on an ordinary sized farm, but for two reasons you ought to have two or more traps; first, if your meadow is any distance from your home it saves you time walking to and from setting traps; and second, often when you open the gopher hole you get into the main runway, then you have two holes and you don't know which hole the gopher will set in, to close first, but if you have two traps you can put one in each hole and be sure of getting the gopher. Guaranteed to do the work if properly set, or money refunded. **Price:** each \$1.00, or two for \$1.80, by paid parcel post.



Renken Sure Catch Gopher Trap.

Marysville, Kans.

Please send me 25 cents worth of Sonderegger's Improved Black Wax Beans. Be sure and send me this kind as I have learned that they are the best I ever had. I got 1 lb. a while back and they proved out so good that I want more for later planting.

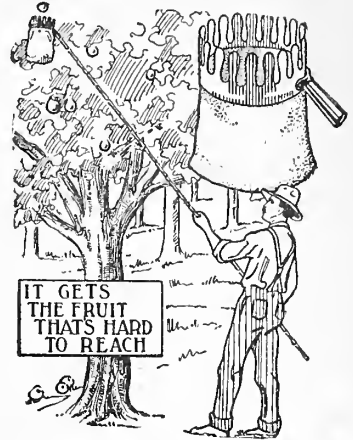
MR. ROSS MANLY.

FRUIT PICKER.

The superiority of this fruit picker can be seen at a glance. Picking can be done from any angle by a gentle push or pull. Bag is 8 inches deep and 6 inches in diameter. Circle and ferrule are made of 16-gauge steel, strong and durable. Its price is so low that even those who have but little fruit to gather can well afford to use it. Owners of large orchards will greatly increase the efficiency of their help by supplying each person with one of these pickers. **Price**, complete as shown in cut, without pole, each 75c postpaid.

MASTERS' PLANT SETTER.

In operation the plant roots are put down to proper depth below the surface, where the ground is cool and damp. You never have to wait for a shower; plants may be safely set, regardless of weather. Every farmer, truck grower and gardener should have one or more. Any man with very little practice can set 12,000 plants each day. One man will set, water, and if desired, fertilize, more plants than three men can set by hand—and every plant is securely rooted by absorption, nature's way, so that it has a chance to grow. Two barrels of water with one of these Setters, will insure a perfect stand of plants on one acre, **rain or no rain**. The Setter is durably constructed, the invention of a practical man, sold on honor—your satisfaction guaranteed. Price is reasonable. There is **no stooping** when using. Sets all kinds of plants, such as Cabbage, Tobacco, Tomato, Cauliflower, Strawberries, Sweet Potatoes, Sugar Beets, etc., and the plants are set in water and covered at one operation. **Price**: each, \$5.00.



Fruit Picker.

ACME POTATO PLANTER.

This planter enables one man going over the field but once, to plant two or more acres in a day. And this almost as easily as he could walk the same distance in the same time. It makes the holes, drops and covers at the same time. It is important in planting that they be dropped in moist soil and covered before the soil dries out. This the Acme Planter does perfectly. Weight, 2½ lbs. **Price**: \$1.25, not prepaid.



Garden Trowel.

CYCLONE BROADCAST HAND SEEDER.

Warranted to give satisfaction. The cyclone has a national reputation as a high-grade Seed Sower. It is built, not for cheapness, but for durability and accurate work. It weighs less than 4 lbs., yet is strong and durable, and so simple that a boy can operate it. Just the thing for sowing all kinds of clover, alfalfa and grass seed, millet, rape and even larger grains, also fertilizer. Price reduced, \$1.75, not prepaid.



Excelsior Hand Weeder.

GARDEN TROWELS.

An indispensable tool to everyone who has a vegetable or flower garden to look after. 5-inch trowels 15c each. Extra strong 6-inch trowels 25c each. Postage 5c extra for each trowel.

EXCELSIOR WEEDER.

This is one of the best all around garden weeders and can be used to great advantage in any garden. **Price**: 15c each. Postpaid, 20c.

LANG'S HAND WEEDER.

This is the best hand weeder for all purposes, and a first-class labor saver. I use a large number of these weeders in my nursery, and find them to give perfect satisfaction. Each, 25c; 6 for \$1.25. Postpaid, 30c each.

Acme Potato Planter.



THE SOWER THAT SCATTERS EVENLY

PRUNING KNIVES.

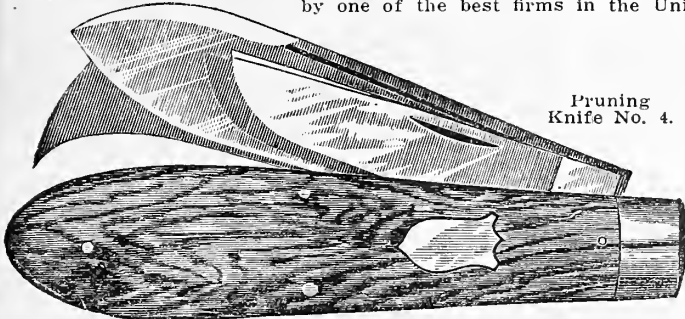
NO. 1. This pruner is used by most nurseries. The blade is riveted in the handle and cannot be closed. Blade is made of finest tempered steel. A first-class pruning knife at a low price. Price of Knife No. 1, 50c each, by paid parcel post.

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